

# Floodplain Education in our Local Schools Campaign



## 3D Flood Simulation Model Sponsorship Program Application Packet

### Background

Mark Walton of the Michigan Stormwater Floodplain Association and David Chapman a High School Science Teacher in Michigan, led the development of a hands-on 3D flood simulation model and associated exercises suitable for students in the 5<sup>th</sup> grade and above. This model has since been commercially produced by WARD—a maker of scientific equipment and models for education—10% of profits go to scholarships for students who study floodplain management (managed by the Michigan Chapter of ASFPM).

Outreach Process Partners, LLC (OPP) is partnering with the Association of State Floodplain Managers (ASFPM) to get the WARD'S 3D Flood Simulation Models into local schools. OPP is committed to funding one to two models a year for the next three years for this campaign. In return, selected recipient chapters agree to train a minimum of five presenters on use of the model and to present the model in at least four venues over the course of the year.

Chapters will be required to submit periodic reports of their activities to demonstrate compliance with the minimum implementation criteria. Chapters who successfully demonstrate compliance with these standards for two consecutive years will assume ownership of the model after successful completion of the second year. Non-compliance with the minimum implementation criteria may result in re-assignment of the model to another chapter.

**Goal:** The goal of this initiative is to get WARD's 3D Flood Simulation Model into the school systems with priority focus on inner-city schools who could not otherwise afford the model on their own. Special emphasis will be on schools located in floodplains and/or in areas that have experienced recent flooding. The benefits of this campaign will be to:

- Help children who have been through a flood understand it from an engineering and scientific standpoint in order to process the trauma and give them a sense of control over their world.
- Raise awareness of the benefits of properly managed water resources and promote ASFPM and the profession of floodplain management to students through hands on-demonstrations and lessons.

### Resources Provided to the Chapter

- One 3D Flood Simulation Model for use in their *youth* education and outreach programming.
- One master set of lesson plan materials for use with the model.
- Tracking form to track trained presenter list.
- After Action Report template.
- Annual Report template.
- ASFPM support in sharing promotional materials and program ideas across participating chapters.



## Expectations: Minimum Implementation Criteria

Recipient chapter(s) will be required to comply with the following minimum program implementation criteria:

- Train a minimum of **five presenters** in use of the model at the chapter's expense and require that presenters using the model be trained prior to use. ASFPM can assist the chapter in locating a trainer for this purpose.
- Provide presenter training on use of the model for attendees at their annual conference or training workshop at least every other year for no additional cost to attendees.
- Schedule and present the model at a minimum of **four youth venues** (schools, youth organizations, etc.) over the course of each year making the goals outlined above priority.
- Promote the project within their chapter, communities, state, and schools. Issue press releases or seek local media coverage of the programming as often as possible.
- Maintain a list of trained presenters, schedule of venues, and complete After Action Reports for each offering. These items will be provided to ASFPM upon request, following established documentation deadlines, and prior to the ASFPM National Conference.
- Complete and submit an Annual Report to ASFPM by **April 30, 2012** outlining the activities of the last year and send at least one chapter representative to discuss it at the Chapter Meeting at the ASFPM National Conference.
- Assume responsibility for any repair or replacement cost (\$1,200) of the model while it is in their possession.
- Maintain and provide proof of liability insurance to ASFPM each year while in possession of the model.
- Provide a \$100 deposit to ASFPM to cover return shipping of the model in the event it is re-assigned to another chapter. Chapters who comply with the minimum standards will receive their deposit back in full after two consecutive years of documented compliance.

## Selection Process & Notice

ASFPM will select a chapter(s) to receive a model from OPP by evaluating the information and documentation provided by the chapter(s) on the applications received. OPP may participate in this selection process at their discretion.

1. Chapter(s) will complete the application and submit it to ASFPM by the application deadline (as defined in the promotional notice) with supporting documentation as requested.
2. ASFPM will review applications received by the deadline and evaluate which (if any) is the most prepared to immediately implement the program with their chapter. Priority will be given to applicant chapters who have not already received a model unless no other suitable applicants exist.
3. Chapter(s) applicants will be notified within one month of the application deadline of their status. Recipient chapter(s) will have two weeks to provide their deposit check and proof of insurance coverage to ASFPM from the date of notice. Should a chapter fail to meet this deadline, ASFPM will move to the next suitable applicant chapter on the list.
4. Only chapters which demonstrate the ability to implement the program within the parameters of this proposal will be selected. Chapters not selected will be encouraged to reapply in the future.
5. Once chapter deposit and proof of insurance is received by ASFPM, a model and implementation materials (After Action Report, Tracking sheets, Lesson Plans, etc.) will be shipped to the selected chapter

## To Apply

Completed application and supplementary documentation (red text) are **due no later than June 30th, 2011** to Kait Laufenberg, Chapter Coordinator in the ASFPM Executive Office. Applications may be submitted electronically to [Kait@floods.org](mailto:Kait@floods.org), by fax: 608-274-0696, or to: Kait Laufenberg, ASFPM, 2809 Fish Hatchery Rd., Ste. 204, Madison, WI 53713 or call Kait at 608-441-3007 with questions.

5/10/11 Version

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## 3D FLOOD MODEL APPLICATION

Chapter Name	
Person Completing Application:	
Name	
Email	Phone

Outreach Process Partners (OPP) is providing recipient chapters with a WARD 3D Flood Simulation Model valued at \$1,200 for use in chapter youth education and outreach campaigns. Recipient chapter(s) is expected to keep the model in good working order and to assume the cost to repair or replace the model if necessary.

- 1) **If your chapter is selected, what steps would it take to ensure the model is kept in good working order?**
- 2) **How will the chapter ensure that funds will be available to repair or replace the model (valued at \$1,200) in the event it is damaged?**

Selected recipient chapter(s) must carry Liability Insurance Coverage.

- 3) **Does the chapter currently have Liability Insurance? If No, please explain your plan to obtain coverage and provide proof within two weeks of notice your chapter was selected. *Attach a copy of your current policy coverage to this application.***

Selected recipient chapter(s) will require a great deal of administrative and volunteer support from within the chapter.

- 4) **Describe support provided for this project by your chapter board, committees, and members. *Please attach a letter from your chapter Chair stating that the board has committed to support this project, comply with OPP's minimum implementation criteria, and approved the \$100 deposit as well as the \$1,200 replacement fee requirements.***
- 5) **Please provide the name and contact information of the person who will act as a Point of Contact (POC) for your chapter on this project:**

Name:  
Phone:  
Email:



The goal of this OPP initiative is to get WARD's 3D Flood Simulation Model into the school systems with priority focus on inner-city schools who could not otherwise afford the model on their own. Special emphasis will be on schools located in floodplains and/or in areas that have experienced recent flooding.

**6) Please describe how your chapter would reach out to these target audience and secure opportunities to present?**

**7) Name one venue you plan to target with your project.**

Securing participation from presenters is critical to the success of this program and the chapter's ability to meet OPP's minimum criteria.

**8) Describe the support you already have or expect to receive from your membership, committee, board, and members.**

Presenters must be trained prior to using the model. Chapters are responsible for the cost to train their presenters. Presenter training may take place either by attending an event where training is offered (ASFPM or another chapter's conference) or by finding a trained presenter from another state to come to your chapter to train others. At least one chapter "lead" presenter must be trained and able to train other presenters at your chapter.

**9) Does the chapter have at least one person willing to be a trainer and train other presenters within the chapter? If yes, please provide their name and contact information below. If No, please describe how the chapter plans to address this requirement.**

Name:

Phone:

Email:

Selected host chapter(s) are responsible for coordinating a variety of program logistics.



- 10) Please provide information about what resources you can offer to meet these responsibilities.** These resources do not have to be in place at the time the application is submitted, but will serve as an action plan if selected.

Deliverable	Chapter can offer
Training minimum of 5 presenters per year (at chapter's expense)	
Presenting to a minimum of 4 venues per year (schools and youth organizations as outlined in the program goals) by <b>April 15, 2012.</b>	
Coordinating transportation of the model to/from venues and between presenters	
Storage of the model when not in use	
Priority focus to schedule at youth venues located in the inner city, located within the floodplain who have experienced recent flooding	
Tracking activities and presenter assignments (process for scheduling, maintaining master schedule, assigning presenters, distributing/collecting after action reports)	
Completion/submission of "After Action Reports" for each presentation to ASFPM within two weeks of presentation date	
Summarizing annual activities into "Annual Report" submitted to ASFPM by <b>April 30, 2012</b>	
Sending a chapter representative to the ASFPM National Conference to discuss activities at the Chapter Meeting (at chapter's expense)	