

**DELAWARE RIVER BASIN COMMISSION
FLOOD ADVISORY COMMITTEE
February 27, 2013**

MEETING HIGHLIGHTS

The DRBC Flood Advisory Committee meeting, chaired by David Williams was held on February 27, 2013 at the DRBC offices in West Trenton, New Jersey.

Action Items:

1. Need to identify how Delaware Bay Inundation Forecasting System (DIFS) would differ from GIS visualization expected with improvements to SLOSH models. (Gary Szatkowski)
2. Need to ask primary modeler on CIPS if anyone has compared SLOSH vs CIPS for Sandy. (Tom Suro)
3. Need to engage NOAA Storm Surge Team. (Laurie Hogan/George McKillop) Is there a possibility of NOAA picking up operation of DIFS as an experimental tool?
4. Send any comments on Flood Management Plan following meeting to Amy Shallcross.

Discussion:

- Minutes from 11/28/12 meeting were approved. D. Burd approved, G. Westfall seconded.
- The FAC welcomed John Metrick, PA NRCS, as a member. He has replaced Jeff Mahood who retired.
- Hydro Outlook: ENSO-neutral conditions will continue into the fall of 2013. NWS highlighted growth of Advanced Hydrologic Prediction Service (AHPS) in the Basin. In 2009, 50 gages contained AHPS forecasts. This has increased to 200 in 2013.
- Delaware Bay Inundation Forecasting System (DIFS):
 - Need to identify how Delaware Bay Inundation Forecasting System (DIFS) would differ from GIS visualization expected with improvements to SLOSH models. (Gary Szatkowski)
 - SLOSH is only for hurricanes. Whereas, DIFS is a tropical/non-tropical solution that could forecast hurricanes, nor'easters and be used for visualizing sea level rise.
 - DRBC submitted DIFS for NJ Sandy supplemental funding.
 - Has anyone compared SLOSH vs. CIPS for Sandy? Tom Suro to ask primary modeler on CIPS.
 - If USGS secures funding, they would calibrate model and get partners together. USGS would like the forecasting system to extend from the Bay up along the NJ/NY Coast. The project is contingent on the support of the NOAA Hurricane Center.
 - Need to engage NOAA Storm Surge Team. (Laurie Hogan/George McKillop) Could NOAA pick up operation of DIFS as an experimental tool?
 - To move forward, benefits must be clearly identified, end users determined and support for operation confirmed.
- Components of a Proposed Flood Management Plan for the DRB:
 - DRBC submitted Flood Management Plan for NJ Sandy supplemental funding.
 - The Plan outline contains
 1. Reservoir Management Actions Prior to and During Events
 2. Communication of Reservoir Management Actions Prior to and During Events
 3. Non-Event Related Actions - Flood Awareness & Mitigation
 - Comments/refinements to outline asked for from FAC members.
 - Need to determine principle objectives of such a plan. The outline appears to be proactive, reactive and pre-emptive. Need to frame out priorities.
 - Such a Plan would be contingent on Commissioner support.

- Hurricane Sandy Recovery:
 - ASFPM guidance: http://www.floods.org/ace-files/documentlibrary/Hot_Topics/HurricaneSandyRecovery_ASFPM_Actions_12-13-12.pdf
 - Advisory Base Flood Elevation Maps: <http://www.region2coastal.com/sandy/abfe>
- Risk MAP (Mapping, Assessment, and Planning) Timeline for Basin, DRBC: <https://www.rampp-team.com/public.htm>
- Availability of DRBC Reports:
 - Annual Reports: <http://www.state.nj.us/drbc/about/public/publications/annual.html>
 - Hydrologic Conditions Reports: <http://www.state.nj.us/drbc/hydrological/reports/>

Next Meeting: Wednesday, June 19, 2013

**FLOOD ADVISORY COMMITTEE
MEETING ATTENDANCE**

February 27, 2013

NAME	AGENCY
ABBOTT, Ryan	Philadelphia Office of Emergency Management
BURD, David	Local Emergency Management: Lambertville, NJ
DUNN, Kim	Dewberry
FERRARI, Mark	New York State Emergency Management Office RII
GAUL, Andrew	Pennsylvania Department of Environmental Protection (PADEP)
HOGAN, Laurie	National Weather Service (NWS)
KRUZDLO, Ray	National Weather Service (NWS)
METRICK, John	Natural Resources Conservation Service (USDA-NRCS)
MILLER, Jason	United States Army Corps of Engineers (USACE), Philadelphia District
MOYLE, John	New Jersey Department of Environmental Protection (NJDEP)
OLIVIO, Dana	New York City Department of Environmental Protection (NYCDEP)
PEDRICK, Gail	Resident
PETREWSKI, Gary	PPL Generation
RUGGERI, Joseph	New Jersey Department of Environmental Protection (NJDEP)
RUPERT, Clarke	Delaware River Basin Commission (DRBC)
SCANNAPIECO, Alycia	Resident
SHALLCROSS, Amy	Delaware River Basin Commission (DRBC)
SURO, Thomas	United States Geological Survey (USGS) - NY
SZATKOWSKI, Gary	National Weather Service (NWS)
TESSIERI, Laura	Delaware River Basin Commission (DRBC)
THARP, Diane	North Delaware River Watershed Conservancy (NorDel)
TUDOR, Bob	Delaware River Basin Commission (DRBC)
WALL, Gary	United States Geological Survey (USGS) - NY
WESTFALL, Greg	Natural Resources Conservation Service (USDA-NRCS)
WHITE, Kirk	United States Geological Survey (USGS) - PA
WILLIAMS, David	Pennsylvania Emergency Management Agency (PEMA)
WNEK, Patti	National Weather Service (NWS)