

Simulating Downstream Effects Resulting from the operation of the Pompton Dam Floodgate Facility

Project Manager, Chris Benosky, PE, CFM,

Art Miller, PhD, PE will serve as lead technical advisor
and engineer for the Pompton Lake Dam study



AECOM

October 4, 2011

Scope of Work

1. Unsteady Flow Model
2. Cross Section and Structure Surveys
3. Hydrologic Review of Existing Model
4. Storm Precipitation Analysis System (SPAS) Model – Acquiring rainfall data for four recent storm events.



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Scope of Work (con't)

5. Calibration of Existing Model with Four Storms (March 13-15, 2010, March 6-8, 2011, March 10-12, 2011, and Hurricane Irene, 2011).
6. Comparison Between Pre and Post Conditions
7. Alternative Analyses



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Scope of Work (con't)

8. Impact Analysis – The model will be given to NJDEP and the USACE to evaluate the impacts of potential modification/changes to the floodgate operational regime.
9. Computer Animation
10. Out Reach Meetings
11. Independent QA/QC



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Schedule

