LOWER SUSQUEHANNA RIVER RESERVOIR SYSTEM MODELING ENHANCEMENTS
PEER REVIEW CALL NO.1
WEDNESDAY APRIL 6, 2016  2:00-3:00

ATTENDEES:
Tim Sullivan (GSE)       Tom Sullivan (GSE)       Gary Lemay (GSE)
Marty Teal (WEST)        Jon Viducich (WEST)     Jim Fitzpatrick (HDR)
Mark Velleux (HDR)      Kim Long (Exelon)        Bruce Michael (MDNR)
Bill Ball (CRC)         Steve Scott (Reviewer)    Peter Wilcock (Reviewer)
James Martin (Reviewer) Damian Brady (Reviewer)

NOTES:
The call started with introductions, background for the modeling efforts, and an overview of the peer review.

Discussion then centered on the peer review scope of work and logistics. The Scope of Work document which had been previously circulated was reviewed. Logistics discussed included review and meeting coordination, development of a website, and roles for each reviewer, the CRC, and Exelon. The group agreed that while the reviewers would examine the modeling effort as a whole, Steve Scott and Peter Wilcock would focus primarily on hydrodynamics and sediment transport while James Martin and Damian Brady would focus on sediment and nutrient flux. Peter noted that the scope of work was vague in regard to the specific questions the reviewers are supposed to be answering. The group agreed to work together on a list of questions and provide them to the reviewers to focus their review (ACTION ITEM).

James asked if the contact information for the call participants could be circulated. Bill agreed to provide that to them (ACTION ITEM). James also asked which documents would be best to review first for background information. Tim noted the LSR Integrated Sediment and Nutrient Monitoring Plan and Exelon Modeling Workplan would be a good first step. Bruce Michael noted the Lower Susquehanna River Watershed Assessment would be another good document. Tom Sullivan also recommended the Conowingo Hydroelectric Project Final License Application filed with FERC. Tim will provide these documents to the reviewers (ACTION ITEM). Bill also noted that all correspondence should be directed to him and Tim. They will then make sure it gets distributed to the appropriate people.

Marty Teal then provided a high level overview of the HEC-RAS model of Lakes Clarke and Aldred. Steve noted that he had developed a list of questions and data needs which he would forward to Bill and Tim for distribution to the modelers. Peter noted that he had three things he’d be looking for: 1) calibration information; 2) assessment in uncertainty in change in sediment volume, quality of the bed elevation data; and 3) sensitivity of the rating curves. He also asked how the uncertainty in the RAS model was propagating into the Conowingo Pond Mass Balance Model (CPMBM), if applicable.

Jim Fitzpatrick then provided an overview of the CPMBM.

Next steps were then discussed. Tim noted that the next call would likely be the week of April 18th. Between now and then the reviewers were to begin to get up to speed on the background information previously provided and provide any questions or comments they have to Tim and Bill. The Exelon team
will continue work on the models and reports and review any questions received from the reviewers (ACTION ITEM).

**ACTION ITEMS:**

1. The Exelon team will work with CRC to develop a list of review questions for the reviewers, circulate by next call.
2. Bill to provide call participant contact information to the group
3. Tim to provide additional background information to the reviewers (LSRWA and Conowingo FLA)
4. Steve to provide Tim and Bill with his preliminary list of HEC-RAS questions and data needs
5. Tim to setup the next review call for the week of 4/18
6. Reviewers to get up to speed on pertinent background information and provide any questions to Tim and Bill