

LOWER SUSQUEHANNA RIVER RESERVOIR SYSTEM MODELING ENHANCEMENTS
PEER REVIEW CALL NO.2
MONDAY APRIL 18, 2016 11:00-12:00

ATTENDEES:

Tim Sullivan (GSE)	Kim Long (Exelon)	Marty Teal (WEST)
Mark Velleux (HDR)	Bruce Michael (MDNR)	Matthew Trommater (CRC)
Bill Ball (CRC)	Steve Scott (Reviewer)	Peter Wilcock (Reviewer)
James Martin (Reviewer)	Damian Brady (Reviewer)	

NOTES:

Tim Sullivan kicked off the call by reviewing the agenda.

The first agenda item discussed was a status update on action items from the last call. Tim noted that most action items had been completed. The two big action items from the last call were 1) the development of a list of questions to focus the review, and 2) Peer reviewers conducting the necessary background research to get up to speed. It was noted that these were both still ongoing.

Discussion then focused on the status of the reviewer's background research, if there were any questions or comments on the information previously provided, or if there were additional sources of information needed. No questions or comments were received on the information previously provided. Tim noted that James, Peter, and Steve had submitted a list of questions/additional data needs which will help to support their reviews. Tim agreed to circulate these requests to the other reviewers and to the appropriate Exelon team members for responses (**ACTION ITEM**). The group agreed that moving forward questions or data requests from the reviewers should be sent to Tim and Bill Ball with the other reviewers copied (**ACTION ITEM**).

Tim noted that the list of questions to focus the review is still being developed, however, one of the global questions will be: *is the modeling effort conducted by the Exelon team an improvement on the existing understanding of the Lower Susquehanna Reservoir System (including an improvement on the existing models)?* Tim noted that given this it will be important for the reviewers to have a firm understanding of the models which have already been developed (e.g., USGS HEC-RAS model, AdH model, HSPF Watershed Model) (**ACTION ITEM**).

The group then discussed the peer review website (to be developed once contracts have been finalized) and what information will be included on it. The group agreed that the majority of the information that will be included will be general information such as the reviewer's scope of work, meeting agenda's, meeting minutes, presentations, etc.). Bill noted that he will be posting the Peer reviewers CV's to the website. He will circulate the reviewers CV's for review prior to posting (**ACTION ITEM**).

The reviewers then provided an overview of the questions and data requests which have been submitted since the last call.

Discussion then centered on the review timeline and logistics. Given that the review has started later than originally planned the scope of work is now somewhat out-of-date regarding interim work products and reviewer involvement in model development. After some discussion, the group agreed that there would no longer be interim work products as proposed in the scope of work. Instead, given the fact that

the models are in different stages (HEC-RAS model is done, Conowingo Pond Mass Balance Model (CPMBM) development is ongoing) the reviewers will complete their review as follows (**ACTION ITEM**):

- Those reviewers who are reviewing both the HEC-RAS model and the CPMBM will develop one report on the HEC-RAS model (with their review starting now) and then a second report on the CPMBM once that model has been completed. The two reports will then be merged into one document which will also discuss the full modeling approach (i.e. from Marietta to Conowingo).
- Those reviewers who are just reviewing the CPMBM will only have to develop one report once the CPMBM is completed.

The question was then raised as to whether the reviewers responsible for the CPMBM should be involved in the development of it, as originally envisioned in the scope of work. The Exelon team will evaluate if this will be practical or not given the current status of the models and report back (**ACTION ITEM**).

Marty Teal and Mark Velleux then provided updates on the progress of their modeling efforts. WEST is in the process of developing the final report for the HEC-RAS modeling while HDR is in the final stages of hydrodynamic and sediment transport model development and sediment flux model setup. The Exelon team will provide a schedule for when the WEST report will be available for review by the next call (**ACTION ITEM**). The Exelon team will also provide clarity to the reviewers on how they will respond to questions and data requests (i.e. in the final report or as a standalone document) (**ACTION ITEM**).

ACTION ITEMS:

1. Tim to circulate questions and data requests received so far to all reviewers
2. Exelon team to develop list of questions to focus the peer review
3. Moving forward, the reviewers will submit all questions and requests to Tim and Bill and copy the other reviewers
4. Peer reviewers to review available information to ensure they have a firm understanding of the existing LSR models and data.
5. Bill to circulate the reviewers CV's to all reviewers
6. Reviewers will submit work products in accordance with the modified approach agreed upon during this call as opposed to what is described in the scope of work
7. Exelon team to regroup regarding logistics for the CPMBM review
8. Exelon team will provide a schedule for when the HEC-RAS report will be ready. Will also provide clarity on how they will be responding to reviewer questions/data requests
9. Exelon team will review action items assigned to them, determine when they will be completed, and then schedule next call (tentatively week of May 9th or 16th)