

**Modeling and Regulatory Support Workgroup (MRSW) and  
Path Forward Committee (PFC) Meetings**  
August 4, 2020, 9:00 AM to 1:10 PM  
**Remote Access Only (see last page of agenda for instructions)**

Materials related to the MRSW and PFC Meetings have been placed on the UNRBA website unless noted otherwise on the [Meeting page](#). A direct link to the meeting presentation for the PFC meeting is provided [PFC Meeting Presentation for August 4, 2020](#). The MRSW meeting slides will be posted prior to the meeting.

**Modeling and Regulatory Support Workgroup Agenda, August 4, 2020, 9:00 to 10:30**

- I. **Opening Comments, Agenda Review/Revisions — Chair, Michelle Woolfolk**
- II. **Discuss Preliminary Hydrodynamic Calibration and Validation of the Falls Lake Environmental Fluid Dynamics Code (EFDC) Model**  
Item Summary (Chris Wallen): The Falls Lake Environmental Fluid Dynamics Code (EFDC) Model has been set up to simulate water level and water temperature. The modelers will summarize the preliminary calibration and validation of the model based on the performance criteria described in the UNRBA Modeling Quality Assurance Project Plan (QAPP).
- III. **Discuss Potential Training Topics for MRSW**  
Item Summary (Michelle Woolfolk): The Chair of the MRSW would like to hear from the MRSW members on questions they have about the models and training topics for the workgroup. These topics may be for the near term while the models are under development or future topics once the models are calibrated. This discussion will also be used to inform communications planning for the broad range of stakeholders the UNRBA will continue to engage.
- IV. **Modeling and Regulatory Support Status**  
Item Summary (Alix Matos): The WARMF Lake modelers discussed lake segmentation with the Executive Director and subject matter experts on July 14<sup>th</sup>. The team will bring a recommendation for lake segmentation to the MRSW for consideration on September 1<sup>st</sup>. The modeling team is compiling and formatting inputs associated with the WARMF watershed modeling including soil chemistry, air chemistry (wet and dry), and nutrient application rates to continue with model development; the 319-funded revisions to the WARMF model code is also underway. A review of segmentation of the WARMF Lake model is planned for MRSW meeting scheduled for September 1<sup>st</sup>.

**Path Forward Committee Agenda, August 4, 2020, 10:40 to 1:10**

- I. **Opening Comments, Agenda Review/Revisions — Co-Chairs Kenny Waldroup and Michelle Woolfolk**
- II. **Status of the UNRBA Stage I Existing Development Interim Alternative Implementation Approach (IAIA) Program Development — Informational Item**  
Item Summary (Forrest Westall): On June 17, 2020, the UNRBA Board of Directors discussed the status of the IAIA Program Document, the pros and cons of forming a separate compliance organization, and the benefits of involving Board members in near-term discussions with the legal group and PFC. During the July 7, 2020 PFC meeting, a summary of the discussion by the Board was provided and follow up actions were identified. One of the action items includes member representatives reaching out to their local leadership

to discuss jurisdictional plans to participate. During the August 4, 2020 PFC meeting, members will report on these discussions and provide a preliminary indication of who plans to participate. Ongoing plans for completion of the IAIA program are contingent on determining participation within the UNRBA membership. An updated draft of the IAIA Program Document is being developed based on the recent discussions noted and will be provided to the PFC prior to the August 4<sup>th</sup> meeting. It is anticipated that DWR will provide a draft Model Program to the UNRBA for review in late July/early August. The draft will be distributed to the PFC for review and comment.

**III. DWR 2020 Integrated Report and 303(d) Assessments**

Item Summary (Jay Sauber): The DWR draft Integrated Water Quality Assessment Report and the 303(d) list for 2020 were previously anticipated for June 2020. This target date has been pushed back to probably late September 2020 or perhaps even later.

**IV. Summary of UNRBA Comments on the EPA Federal Register Notice May 22, 2020 - Draft Ambient Water Quality Criteria Recommendations for Lakes and Reservoirs**

Item Summary (Jay Sauber): EPA noticed their Draft Ambient Water Quality Criteria Recommendations for Lakes and Reservoirs of the Conterminous United States: Information Supporting the Development of Numeric Nutrient Criteria on May 22, 2020. The criteria are models that yield total nitrogen and total phosphorus concentrations to protect the designated uses of Aquatic Life, Recreation, and Drinking Water. These models, based on a 2007 EPA national lake survey, will replace EPA criteria based on the ecoregion/reference condition approach. If adopted, this document could potentially influence the UNRBA re-examination process review by EPA and the DWR. At the June 17<sup>th</sup> Board meeting, the Board authorized the Executive Director to submit comments on this EPA proposal on behalf of the UNRBA. During the July PFC meeting, an overview of the EPA proposal was provided, and the Executive Director provided a draft of the comments to the PFC on July 7<sup>th</sup>. The UNRBA comments were finalized following comments from the PFC. Formal comments on the EPA Draft Criteria document for lakes were submitted to the Federal Docket on July 13, 2020. A copy of the final comments was provided to the Board and the PFC. A summary of the comments submitted will be provided during the August 4, 2020 PFC meeting.

**V. Modeling and Regulatory Support Status — Informational Item**

Item Summary (Alix Matos): The modeling team will present preliminary results for model calibration and validation of the Environmental Fluid Dynamics Code (EFDC) model to the MRSW during the August 4, 2020 MRSW meeting (conducted just prior to the PFC meeting). The modeling team is continuing work on the WARMF watershed model for water quality simulations and beginning model development of WARMF Lake. The WARMF modelers discussed lake segmentation with the Executive Director and subject matter experts on July 14<sup>th</sup>, and the team will bring a recommendation for lake segmentation to the MRSW for consideration on September 1<sup>st</sup>. The modeling team is currently compiling and formatting inputs for the WARMF watershed model including soil chemistry, air chemistry (wet and dry), and nutrient application rates to continue with model development for water quality modeling.

**VI. Other Status Items—Information Item**

Item Summary (Forrest Westall): Brief statements on several ongoing activities:

- Communications work for 2020-2021, coordination with the MRSW on model information
- Coordination with the Collaboratory on Falls Lake studies
- Legal Support

- Ongoing DEQ/DWR Items—MOA, 303(d), chlorophyll-a site specific standard, lake segmentation, UNRBA/DWR meeting to review data collected/compiled from the Association’s study and modeling progress, IAIA program development, etc.

**VII. Closing Comments— Co-Chairs Kenny Waldroup and Michelle Woolfolk**

**Next MRSW Meeting: September 1, 2020, Time and location to be determined**  
**Next PFC Meeting: September 1, 2020, Time and location to be determined**  
**Next BOD Meeting: September 16, 2020, 9:30 AM to Noon, Location to be determined**

### Remote Access Instructions for the MRSW and PFC Meetings

**This meeting will open 10 minutes prior to the official meeting start time to allow for users to test equipment and ensure communication methods are functioning.**

Equipment Type	Access Information	Notes
Computers with microphones and speakers	<a href="#">Join Microsoft Teams Meeting</a> <b>Please mute your microphone unless you want to provide input.</b>	Press control and click on this link to bring up Microsoft Teams through the internet. You can view the screen share and communicate through your computer’s speakers and microphone.
Computers without audio capabilities, or audio that is not working	<a href="#">Join Microsoft Teams Meeting</a> (888) 404-2493 Passcode: 371 817 961# <b>Please mute your phone unless you want to provide input.</b>	Follow instructions above. <b>Turn down your computer speakers, mute your computer microphone</b> , dial the number through your phone and enter the passcode.
Phone only	(888) 404-2493 Passcode: 371 817 961#	Dial the toll-free number and enter the passcode. <b>Please mute your phone unless you want to provide input.</b>

### Remote Access Guidelines

- If you dial in through your phone, mute your microphone and turn down your speakers to **avoid feedback**
- Unless you are speaking, please mute your computer/device microphone or phone microphone to **minimize background noise**