Modeling and Regulatory Support Workgroup (MRSW) and
Path Forward Committee (PFC) Meetings
November 3, 2020, 9:00 AM to 1:15 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 presentations for the MRSW and PFC meetings are provided MRSW Meeting Presentation for November 3, 2020 and PFC Meeting Presentation for November 3, 2020.

Modeling and Regulatory Support Workgroup Agenda, November 3, 2020, 9:00 to 11:00

I.   **Opening Comments, Agenda Review/Revisions — Chair, Michelle Woolfolk**

II.   **Changes to MRSW Meeting Plans**

Following a recommendation from the Modeling Team, the Executive Director, and the MRSW Chair, the PFC decided during the October 6, 2020 meeting to extend the duration of the MRSW meetings to two hours for the months that they meet. This extension will allow more time for discussion of the models. Starting with this meeting, MRSW meetings will begin at 9:00 AM and end at 11:00 AM, followed by a 30-minute break, and then a 1.75-hr PFC meeting from 11:30 to 1:15. During months where an MRSW meeting is not scheduled, PFC meetings will begin at 9:30 AM and go to noon.   There is no MRSW meeting scheduled in December or January. The next MRSW meeting is anticipated in February. Anticipated meeting topics and schedule will be reviewed for FY2021.

The UNRBA Technical Stakeholder Workshop has been postponed to FY2021 due to COVID-19. Two MRSW subgroups will be formed during the meeting to recommend scenarios for evaluation (Scenario Screening Group) and to recommend output summaries for comparing scenarios (Model Scenario Output Group). A third workgroup will be formed during the January PFC meeting to provide technical input to the legal team and statistical modeling team in terms (Technical Liaisons to the Legal Group). These three groups will provide recommendations to the MRSW and/or PFC for consideration.

III.   **Modeling and Regulatory Support Status**

Item Summary (Alix Matos): The modeling team is compiling and formatting inputs associated with the WARMF watershed modeling including nutrient application rates, wastewater treatment plant effluent data, sanitary sewer overflow data, and onsite wastewater treatment systems to continue with model development. Summaries of the data sources and assumptions will be provided.   The 319-funded revisions to the WARMF model code are complete, and the summary report to satisfy the deliverable requirements is underway.

IV.   **Approval of Revised Recommendations for Watershed Analysis Risk Management Framework Lake Modeling**

Item Summary (Alix Matos and Scott Sheeder): During this fiscal year, the Falls Lake WARMF model will be set up and calibrated to water level. This model is linked to the Falls Lake Watershed WARMF model. The modeling team discussed several options for segmenting the lake with the UNRBA subject matter experts and presented a preliminary set of recommendations to the MRSW in September. During the meeting, participants suggested an additional segment break, and the Modeling Team distributed a revised set of recommendations on September 22, 2020. The Modeling Team also presented a recommendation to

calibrate the WARMF lake segments to the downstream end to accurately simulate material transport from upstream to downstream.   The MRSW members approved these recommendations via email. Two researchers from the UNC Collaboratory who are providing 3rd party review of the models also indicated agreement with these recommendations DWR provided additional comments on the calibration approach, and responses to these comments will be reviewed during the meeting.   The team will perform a post-processing of the data to project average water quality for each model segment.

V.   **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.

THE MRSW MEETING WILL BE FOLLOWED BY A ONE-HALF HOUR BREAK.

Path Forward Committee Agenda, November 3, 2020, 11:30 to 1:15

I.   **Opening Comments, Agenda Review/Revisions — Co-Chairs Kenny Waldroup and Michelle Woolfolk**

II.   **Steps Toward Establishing 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. An updated draft of the IAIA Program Document was provided to the PFC on July 17th. In July, 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; September 1, 2020; and October 6, 2020 PFC meetings and the September 16, 2020 Board meeting, members reported on these discussions and provided a preliminary indication of who plans to participate. Updated information on likely participation will be provided at the November 3, 2020 PFC meeting. The Legal Group has proposed revisions to the UNRBA Bylaws to allow the Board to form a Compliance Group Committee comprised of those members that volunteer to participate in the IAIA. General feedback from the membership since September has been very positive. The Executive Director talked with representatives of Creedmoor and participated in the Franklin County Commissioners meeting on October 19th. He is scheduled to be available at the Wake County Commissioners session on November 9th.   The revisions specify the requirements to participate in this committee as well voting requirements and addition of participants after the initialization of the program. The PFC will discuss these proposed revisions and receive PFC input before providing the draft to the Board Members for review. These proposed revisions will be discussed by the Board at their November 18, 2020 meeting. We will review the prospective schedule for adoption of the IAIA program. The PFC will also begin discussions regarding reporting elements for IAIA participants to streamline compilation of annual summary reports.

III.   **Summary UNRBA Comments on the Draft Falls Lake Model Program**

Item Summary (Forrest Westall): DWR provided a draft Model Program to the UNRBA for review in September, and the draft was distributed to the PFC for review on September 16, 2020. Comments from the PFC were compiled and provided to DWR on October 12, 2020. A summary of the comments will be reviewed during the meeting. The Executive Director is scheduled to discuss the comments with DWR on November 6th.

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

Item Summary (Alix Matos): 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 and calibration approach with the Executive Director and subject matter experts on July 14th, and the team will brought a preliminary recommendation for lake segmentation to the MRSW for consideration on September 1st. A revised recommendation for lake segmentation was provided via email to the MRSW on September 22, 2020 and feedback from the MRSW via email indicated agreement with the revised recommendation. The MRSW will finalize their WARMF Lake decisions during the November 3, 2020 meeting (before the PFC meeting). The modeling team is currently compiling and formatting inputs for the WARMF watershed model including to continue with model development for water quality modeling.

V.   **Plan for Development of a Site-specific Chlorophyll-a Standard**

Item Summary (Forrest Westall): The primary task for the legal team in FY2021 is to begin developing a petition for site specific criteria for Falls Lake. This work will rely partially on the UNRBA Statistical Model of Falls Lake. The legal team and the statistical modeling team are coordinating on this effort.

VI.   **Communications Support — Informational Item**

Item Summary (Alix Matos): The UNC Collaboratory is preparing their December 2020 interim report to the legislature on Falls Lake. Steve Wall requested that the UNRBA provide an overview of the work of the Association. The Executive Director and the UNRBA team have a prepared a summary document that the Collaboratory will post to their website and integrate into their report as appropriate. A summary of the content of the will be provided during the meeting.   Planning for the joint Collaboratory and UNRBA Symposium continues and the general plan will be to have presentations by the Collaboratory Researchers and the UNRBA to summarize the work underway and review the schedule for completion of the Collaboratory's assessment of Falls Lake and the UNRBA's Re-examination of the Falls Lake Rules. The second portion of the Symposium would engage attendees to get needed input related to the issues important to stakeholders. The UNRBA Technical Stakeholder Workshop has been postponed until FY2021 due to COVID-19. The MRSW has will form a subgroup during their meeting (before the PFC meeting) that will include some participants from past technical workshops to receive input on potential scenarios to evaluate with the models (this was to be the small group discussion focus for the FY2021 UNRBA Technical Stakeholder Workshop). The UNRBA will also seek to elicit input on potential scenarios during the joint Symposium pending development of the meeting plan with the Collaboratory.

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

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

- Ongoing DEQ/DWR Items—MOA, UNRBA/DWR meeting to review data collected/compiled from the Association's study and modeling progress, IAIA program development, etc.

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

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Next BOD Meeting: November 18, 2020, 9:30 AM to Noon, Remote Access
Next PFC Meeting: December 1, 2020, 9:30 AM to Noon, Remote Access
Next MRSW Meeting: February 2, 2021, 9:00 AM to 11:00 AM, Remote Access

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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	Join Microsoft Teams Meeting **Please mute your microphone unless you want to provide input.**	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	Join Microsoft Teams Meeting (888) 404-2493 Passcode: 371 817 961# **Please mute your phone unless you want to provide input.**	Follow instructions above. **Turn down your computer speakers, mute your computer microphone,** 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. **Please mute your phone unless you want to provide input.**

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- 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**