

UNRBA Board Meeting August 20, 2014

Location: Butner Town
Hall

Agenda

Introductions and Announcements

Approval of the May 21, 2014 Meeting Minutes

Administrative Items

- o Appointment of Member Second Alternates—Update
- o Tax Report (990 Form), Will be Submitted to Board via E-Mail

Legislative and State Government Update—Erin Wynia,
Legislative and Regulatory Issues Manager, League of
Municipalities

Agenda (Continued)

Action Items

- o Authorization for Chair to Approve Technical Support Contracts (Web Management and Monitoring Program)
- o Review of FY 2015 Monitoring Contract Amendment and Scope of Work
- o Requested Action: Authorize Chair to Sign the Monitoring Contract Amendment

Agenda (Continued)

Ongoing Projects:

Monitoring Program

DWR Approval of: 1) Description of Modeling Framework, 2) Monitoring Plan, and 3) Quality Assurance Program Plan

Nutrient Credits Project Status

Tasks Underway

Update, NC's Proposed Nutrient Practice Approval Process

Agenda (Continued)

Additional Information Items and Reports:

- House Bill 201 (Session Law 2014-90) and Related Stormwater Rules Activities (Public Hearing 2 PM 8/202014—today)
- Nutrient Criteria Development Plan—Scientific Advisory Council
- PFC Report—Lindsay Mize and Kenny Waldroup
- EMC Review of the Proposed Nutrient Practices Approval Process and Status of the Model Program
- US Water Alliance: One Water Leadership Summit, September 15-17, 2014
- Treasurer's Report—Jimmy Clayton
- Executive Director's Report
- Next Scheduled Board Meeting November 19, 2014, Butner Town Hall
- Closing Comments

Introductions and Announcements

Approval of May 21, 2014 Meeting Minutes

- Review of Draft Minutes
- Comments and Corrections
- Board Vote

Administrative Items

- o Appointment of Member Second Alternates**
- o Tax 990 Form Will be Submitted to Board via E-mail**

Legislative and State Government Update—

Erin Wynia, Legislative and
Regulatory Issues Manager,
League of Municipalities

Action Items

- o Authorization for Chair to Approve Technical Support Contracts (Web Management and Monitoring Program)
- o Review of FY 2015 Monitoring Contract Amendment and Scope of Work
- o Requested Action: Authorize Chair to Sign the Monitoring Contract Amendment

Authorization for Chair to Approve Technical Support Contracts (Web Management and Monitoring Program)

- MFG Consulting (Mike Gerring) for support of the UNRBA Website—No changes in contract provisions this year, contract amount increased from \$ 1,500 to \$ 2,500
- SWQC Consulting (Jay Sauber) Subject Matter Expert for the UNRBA Monitoring program—No change in contract provisions—Period extended over two years, subject to each year's monitoring budget—contract amount allocated from the UNRBA's Monitoring Program Budget, maximum contract amount \$ 20,000 per year
- PCI Consulting (Haywood Phthisic) Monitoring Plan support—No Changes for this year—Contract amount is allocated from the UNRBA's Monitoring Program Budget, contract amount: \$ 10,000

Review of FY 2015 Monitoring Contract Amendment and Scope of Work

- Developed for Monitoring to Begin According to approved Monitoring Plan
- Reviewed by the PFC
- Includes Provisions for Core Monitoring to Begin Immediately
- Provides Contingency Funding for Additional Lake Monitoring Pending DWR Request for Assistance
- Provides for a Review Process by PFC and Written Verification for Additional Tasks



Recommendation: Request
that the Board Authorize Chair
to Sign the Monitoring
Contract Amendment

UNRBA Ongoing Projects:

Monitoring Project Update —
Lauren Elmore, Cardno ENTRIX

Nutrient Credits Project Status—Alix
Matos



UNRBA Monitoring
Program and
Nutrient Credit
Development Project
BOD Meeting
August 2014



August 20, 2014

Update on the Monitoring Program

BOD August 20, 2014





Monitoring Program Update

- Approval has been received from DWR on all aspects of the UNRBA monitoring program
 - The Description of the Modeling Framework - June 20th, 2014
 - The UNRBA Monitoring Plan - July 16th, 2014
 - The UNRBA Quality Assurance Project Plan - July 30th, 2014





Monitoring Program Update

- Cardno Contract Addendum, Scope of work and cost tables for July 1 2014 through July 31 2015 have been provided to Forrest and PFC
- The Scope of work was revised last week to address PFC comments regarding special studies tasks
- Special studies will be reviewed in detail and prioritized with the PFC before selection for implementation





Monitoring Program Update

- Environment 1 is beginning data collection this month at Lake Loading and Jurisdictional Monitoring Locations
- Meeting with DWR to discuss the additional data collection at DWR lake monitoring stations and at the new lake station – these negotiations will determine how much of the lake monitoring the UNRBA will pay for.



Update on the Nutrient Credit Project



Update on the Approach for Trapping Factors

- Submitted a memorandum in mid July to the PFC describing the proposed approach
- PFC met on August 6th to discuss the proposed approach
- Incorporated revisions to the approach at the request of the PFC
- PFC is currently reviewing the proposed subwatershed delineations and providing estimates of annual water withdrawals for each impoundment to be included in the analysis

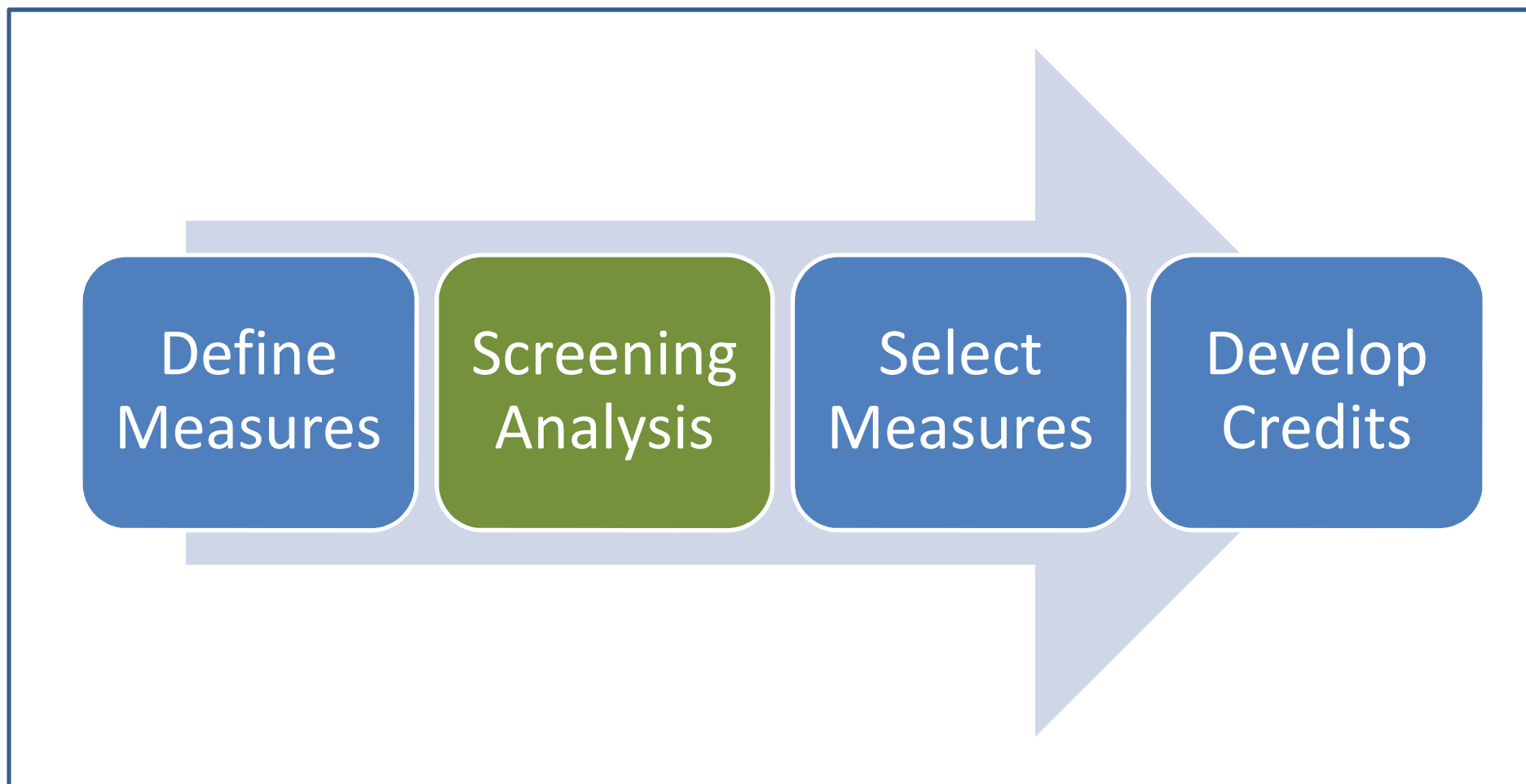


Next Steps for Developing the Trapping Factors

- Once the subwatersheds are approved and annual water withdrawals are provided, we will proceed with the analysis and present preliminary results for PFC review in a memorandum
- Preliminary results will be discussed at a PFC meeting tentatively scheduled for October



Task 1 Credit Development Process





Update on the Screening Analysis

- Met with the PFC and stakeholders in the watershed on May 22nd
 - Revised the list of measures to screen from 55 to 48
 - Omitted two stage channels, outflow control structures on tile drain systems, and improvement of FUNCTIONING septic systems
 - Added enhanced sediment and erosion control and regenerative stormwater conveyances
 - Combined several other measures into broader categories
- Compiled literature for ~35 of 48 measures
- Began to rate the quality of studies for each measure in the screening database
- Assessed the implementation potential of each measure based on past meetings



Next Steps for the Screening Analysis

- Follow-up with individual researchers on specific datasets
- Obtain additional feedback on implementation potential if needed
- Submit memo to PFC in September that will recommend the measures for credit development
- Meet with the PFC in October to finalize the list of measures for credit development



The DWR Proposed Nutrient Practice Approval Process

- DWR's latest version presents three categories of measures
 - Individual Measures
 - Tier 1 Innovative Types of Measures
 - Tier 2 Types of Measures with Higher Confidence
- Cardno and the Center have provided comments to DWR on each version
- We submitted joint comments to DWR on 7/29/2014 for this latest version
- Multiple reviews and the “moving target” of the approval process is a challenge



Summary of Cardno and the Center's Comments on this Version of the Approval Process

- Suggested inclusion of best professional judgment of subject matter expert as a way to estimate credits as an alternative to collection of monitoring data (as requested by members of the NSAB)
- Elimination or downgrade of Tier 1 credits were questioned
- Guidance indicates that credits will be established conservatively based on quality of data. DWR needs to be more explicit about this process so that each measure is dealt with consistently
- Alternative presented by DWR likely carries less risk for the regulated community, but may prohibit innovation if credits would not be developed (suggestion to consider interim credits)



Discussion of the Format for Credit Deliverables

- Current scope of work (signed in February 2014) includes one large report and one review process for 20-25 priority measures for credit development
 - Similar deliverable to that provided by Tetra Tech under the PTRC 205(J) contract
 - Tetra Tech report was finalized in September 2013
- DWR has since produced four draft practice standards which then go through several iterations with the NSAB and public review
- The first of these drafts was issued in April 2014 after our contract was signed



Discussion of the Format for Credit Deliverables

- There has since been a request by UNRBA to align our deliverables with DWR draft practice standards
- During our meeting on June 23 with Dr. Bill Hunt (Subject Matter Expert for the credits project), he requested a batch review process for the credit deliverables
- From our original list of 55 measures developed by the PFC when they released the RFP for this project
 - 6 have been developed under the PTRC 205(J) contract with Tetra Tech
 - DWR has requested that we assign an additional 4 to 6 to Tetra Tech under an existing EPA contract (these are intended to fund measures that we would otherwise not have the budget to cover)



Discussion of the Format for Credit Deliverables

- There may not be an additional 20 to 25 measures that have sufficient data for approved credits
 - Ten measures have low implementation potential based on stakeholder feedback
 - Several have active data collection that would not be completed and analyzed by the researcher during the schedule for this project
- Once the screening analysis is complete, and selection of measures for this contract and the EPA contract begins, the UNRBA may wish to modify the scope of work
- If fewer measures are fully developed, then we can focus on producing draft practice standards for those with the best likelihood of DWR approval

