



UNRBA
Nutrient Credit
Development
Project
PFC Meeting
January 2016



January 5, 2016

Summary of Status for Credit Development (Task 1)



Summary of Task 1 Budget and Work Completed

- Contracted budget for Task 1: \$187,681
- Remaining budget as of November 30, 2015: \$25,254 (~13 percent)
- Work completed:
 - Trapping analysis and delivery factors
 - Screening analysis of 55 measures
 - Three practice standards nearly complete (two under review by DEQ)
 - Seven technical approach documents have been drafted and are undergoing technical revisions based on SME input
 - Two years of project management and status updates



Multiple Meetings that were not Originally Budgeted

- DEQ Planning/DEMLR credit development issues and responsibilities
- Policy issues related to recently passed Rules and upcoming rule revisions (e.g., the buffer protection and mitigation rules)
- Twice as many calls and meetings with SMEs than were budgeted, with more scheduled for 2016
- Additional meetings outside the contracted scope
 - Contract development meetings with SMEs
 - Workshops related to rural practices and nutrient trading
 - Landscape attenuation factors meetings



Agency Processes Anticipated to Extend Project Thru 2016

- Existing budget for project management and meeting attendance expires February 2016
- Agency processes affecting the credits project
 - Rules Review process and the impacts to the Task 2 Tool Development
 - JFSAT Tool revisions and impacts to example write-ups in practice standard documents
 - DEMLR recently initiated a Stormwater Control Measures Credit Team that is charged with revising the crediting methods for three of our practices



Request for Budget Increase

- Cardno and the Center are requesting a budget increase of \$20,000
 - Accommodate the project extension through December 2016
 - Continue to participate in meetings with agency staff and SMEs on remaining practices: buffers, land conservation, soil amendment, and elimination of illicit discharges
 - Incorporate technical input from SMEs and draft the remaining practice standard documents

Practice by Practice Update



Filter Strips with Design Variants and Infiltration Devices

- We have received comments from the Agency on infiltration devices and they are completing their review of filter strips
- Cardno/CWP to incorporate final edits when ready (agency is still reviewing)
- Distribute for broader review in March 2016
 - Path Forward Committee (PFC)
 - Nutrient Scientific Advisory Board (NSAB)
 - Watershed Oversight Committee (WOC)



Soil Amendment / Pervious Area Nutrient Management

- Fourth call/meeting with SMEs (Deanna Osmond, Josh Heitman) occurred on December 15th
- Resulted in revised approach for the monitoring based credit (default option will not change)
- Decision by agency staff, SMEs, and contractors to combine the practices of soil amendment and pervious area nutrient management into one credit document
- Call scheduled on January 6th with SME
- Revise technical document and draft the credit document
- Goal is to release credit document for technical workgroup review in February 2016 and wider review in March



Livestock Exclusion

- Second meeting with SME (Deanna Osmond) occurred on December 15th
- SMEs (Deanna Osmond and Dan Line) provided additional data to incorporate in credit estimate
- Revising technical document and credit document for release to technical workgroup in February 2016 with wider review in March



Land Conservation

- November 30th meeting with agency staff to discuss policy issues associated with this practice
- Working with subject matter experts to estimate the extent of potential credits to address agency concerns (GIS analysis)
- Drafting credit document for review by technical workgroup
- Planning a meeting to discuss in February 2016



Buffer Restoration

- We have been discussing policy issues with agency staff to guide development of this practice
- We are drafting a technical document and will distribute to subject matter experts (Deanna Osmond, James Gregory, Mike Burchell) and agency staff and schedule a technical work group meeting in February 2016
- Goal is to finalize methods and draft the credit documents for broad review by in April 2016



Bioretention with Design Variants

- Met on December 10th with SMEs and agency staff to discuss use of the Hyper Tool for developing credits
- Drafting credit document for review by technical workgroup
- Release for broader review in April 2016



Elimination of Illicit Discharges from Stormwater Systems or Surface Waters

- Submitted the technical document to the subject matter experts (NCSU stormwater group) using the framework developed for the Chesapeake Bay
- City of Durham is currently conducting studies on nutrient inputs from various types of illicit (graywater) discharges
- Credit development is on hold until data and studies are finalized
- Anticipate development and release of credit document in mid 2016

Task 2: Status of Work for Credit Calculation Tool



Task Force for Tool Development

- Task Force conference call on December 8th to receive feedback on the Tool
- CWP is making additional changes based on feedback
- Subsequent development will occur in 2016
 - Consistent with Rules Revisions and reporting requirements
 - Integrate credit development from Task 1 for non structural practices
 - Assess need for supplemental features as we progress



Discussion, Questions, and Feedback Welcome



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