



UNRBA
Nutrient Credit
Development
Project
PFC Meeting
June 2016



Task 1 – Credit Development



Bioretention Design Variants

- Comments from the PFC, NSAB, and DWR:
 - Clarify version of JFSAT that may be used
 - Add more descriptions of the design variants
 - Address implementation issues (e.g., installation with impermeable liner and how to simulate in HyPer Tool)
 - Clarification on applicability for new development
 - Various editorial comments
- Next steps
 - PFC approval of the responses to comments
 - Forrest to send clean copies to DWR
 - DWR to initiate 30-day public comment period



Level Spreader Filter Strip Design Variants

- Comments from the PFC, NSAB, and DWR :
 - Clarify version of JFSAT that may be used
 - Restate applicable widths are 10-50 feet
 - Assume a percent overflow (bypass) of 10 percent
 - Applicability on Triassic Basin soils
 - Various editorial comments
- Next steps
 - PFC approval of the responses to comments
 - Forrest to send clean copies to DWR
 - DWR to initiate 30-day public comment period



Infiltration Devices

- Comments from the PFC, NSAB, and DWR :
 - Restate that HSG is accounted for during practice design
 - DWR/DEMLR recalculating volume reductions for over/undersizing across all stormwater control measures (increases credits slightly)
 - Provide smaller increments for design storm depths
 - Various editorial comments
- Next steps
 - Update volume reductions pending info from DWR
 - Send redline and clean copies to the PFC for approval of responses to comments
 - Forrest to send clean copies to DWR
 - DWR to initiate 30-day public comment period



Soil Improvement with Pervious Area Nutrient Mgt.

- Over 100 comments from the PFC, NSAB, and DWR:
 - Reorganize into prequalifying conditions, requirements, and recommendations
 - Clarifications on protecting trees, specification of compost, soil testing, and allowable maintenance activities
 - Applicability to high use areas (DWR may develop a separate practice for high use areas)
 - Applicability to redevelopment projects (similar to new development, these would require DEMLR approval)



Soil Improvement with Pervious Area Nutrient Mgt.

- DWR recommendation to add a reporting and enforcement section under agreement with the land owner
 - Primarily based on EQIP CCAP requirements (DWR providing draft text for our review)
 - Credits would expire after a set period (e.g., 5 years) with option to renew following visual inspection by local government
 - DWR to consider how this would apply to State and Federal lands
- Concerns with DWR's recommendation to discuss today
 - Are these requirements overly burdensome given the amount of credit being offered and the resource constraints of local governments?
 - Is there a threshold for project size (e.g., 5 acres or 10 acres) where local governments feel these requirements would be of benefit?
 - What is a reasonable time frame for renewal (5 years, 10 years, etc.)?



Soil Improvement with Pervious Area Nutrient Mgt.

- Next steps
 - Send clean copies to SMEs to review new content in the requirements and recommendations sections
 - Update volume reductions pending info from DWR
 - Draft content to address DWR's reporting/enforcement requirements based on feedback from today's PFC meeting
 - Send redline and clean copies to the PFC for approval of responses to comments
 - Forrest to send clean copies to DWR
 - DWR to initiate 30-day public comment period



Remaining Practices

- Livestock exclusion
 - Revised assumptions for credits and animal stocking rates
 - DWR proposed incentive credits for reducing stocking rates
 - Drafting practice standard after discussion with DWR
- Land conservation
 - Meeting June 7th with Triangle Land Conservancy, Conservation Trust, City of Raleigh, and DWR; Forrest to schedule follow up
- Buffer restoration
 - Met with DWR on June 16th to discuss various buffer rules and related policies and the overlap with similar credit practices
- Elimination of illegal discharges

Task 2 – Tool Development



UNRBA Credit Tool

- Finalize credit methods before developing the tracking calculations for non-structural practices
 - Livestock exclusion, land conservation, buffer restoration, and removal of illicit discharges from storm systems or surface waters
- Continuing to track status of DWR initiatives that may affect the UNRBA Credit Tool
 - New version of the Jordan Falls Stormwater Load Accounting Tool that will require another “read in” version (DWR to assist with coding)
 - Discussions about combining the Jordan Falls Stormwater Load Accounting Tool with their Low Impact Design Tool (StormEZ)
 - Rules review process and changes to local government reporting requirements



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