

Lakes Harney and Monroe Basin Management Action Plan

Project Collection Instructions for Nutrient Reduction Credit

April 2011

Introduction

Project collection is a part of the basin management action plan (BMAP) process in which the Florida Department of Environmental Protection (FDEP) will assign credit toward total phosphorus (TP) and total nitrogen (TN) reduction requirements for each stakeholder in the Lakes Harney and Monroe BMAP. FDEP has prepared a project collection spreadsheet (distributed to the stakeholders), which provides a template for the collection of project information that will be included in the BMAP to show how the total maximum daily loads (TMDLs) will be achieved. These are the instructions to accompany the project collection spreadsheet.

The BMAP will list structural, non-structural, education and outreach efforts, and other projects implemented by stakeholders that reduce nutrient loading to the Lakes Harney and Monroe basins. Projects will be collected in two steps. The first step will be for projects that have been completed on or after January 1, 2003. Projects will be considered for credit only if they enhance treatment beyond the permit requirements to offset impacts; credits are provided for improving stormwater quality, not for abating the impacts of other activities. The list of completed projects should be provided to FDEP by June 17, 2011. FDEP will then review the projects and determine credit. The stakeholders and FDEP will then determine an appropriate timeframe for achieving the TMDL, and additional future projects will be collected, as needed, from stakeholders in the second step of project collection.

The spreadsheet should be filled out as completely as possible for each project. All projects submitted must be within the Lakes Harney and Monroe Basin and must remove TN and/or TP. Any projects completed as part of a "treatment train" should be identified as such on the project sheets. Benefits of projects early in the train will be propagated downstream along with the appropriate treatment efficiency percentages. Whenever possible, please provide the permit number so the reductions associated with the permit requirements can be verified. Actual monitoring data on individual structural best management practices (BMPs) are not required but may be considered in the credit determination. If a structural project exceeds the design specifications, please be prepared to provide adequate monitoring data to demonstrate these findings. Entities should also be prepared to provide maintenance records, at FDEP's request, for those projects submitted for credit. Should it be determined that the project is not appropriately maintained, FDEP reserves the right to discount the calculated reductions or require maintenance for full credit.

Design Factors

For certain projects, quantification of the expected nutrient load reductions is dependent upon the project's design criteria. Although all of this information is not needed on the project spreadsheets, please be prepared to provide the following details for each project submitted. For each project, an estimate of the loads entering the BMP must be provided. These details may be needed by FDEP to evaluate the BMAP credit for the project.

BMP	Design Factors
Retention BMPs	Drainage area treated (acres), impervious acres treated, drainage area directly connected impervious area (DCIA), non-DCIA project curve number, treatment volume (inches)
Wet detention	Drainage area treated (acres), impervious acres treated, project curve number, treatment volume (inches, acre-feet), annual residence time (days), stormwater reuse rate (inches/week), pretreatment BMPs if using, BMP treatment train
Swales	Same as retention system if a linear retention swale using swale blocks or raised culverts. For conveyance swales, drainage area treated (acres), impervious acres treated, project curve number, treatment volume (inches), swale length, bottom width, average flow rate, Manning's roughness coefficient, side slope, longitudinal slope (see equation for data inputs)
Baffle boxes	Drainage area treated (acres), impervious acres treated, project curve number, flow (cfs)
Alum injection	Drainage area treated (acres), impervious acres treated, project curve number, alum dosage (mg/l), alum floc capture/disposal method; Note: if associated with a wet detention system, provide details on design as requested above
Stormceptor Units	Drainage area treated (acres), impervious acres treated, project curve number, flow (cfs)

Map of Project Areas

In addition to the information on the project collection sheet, a Geographic Information System (GIS) file, Computer Aided Design (CAD) file, or map for each structural project must be submitted. This supporting information must show the project location and acres treated by the project. The projects in the supporting files need to correspond with the project number on the submitted project collection sheet. A column is included on the project collection sheet for the type of map submitted and the file name. The map file names must include the associated project number to help cross reference the files and project information in the spreadsheet.

Project Information Submittal

If you have any questions and to submit your completed spreadsheet and supporting maps, contact Marcy Policastro at mpolicastro@wildwoodconsulting.net or 904-829-0394 by June 17, 2011. Additional information about the projects submitted may be requested by FDEP during the BMAP credit calculations.