CITY OF VALDOSTA
STORM WATER MANAGEMENT PROGRAM (SWMP)

MINIMUM CONTROL MEASURE (MCM) – E
POST – CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

40 CFR Part 122.34(b)(5) Requirement: The permittee must develop, implement, and enforce a program to address storm water runoff into the MS4 from new development and redevelopment projects, including projects less than one acre if they are part of a larger common plan of development or sale. You must:

A) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for your community;
B) Use an ordinance or other regulatory mechanism to address post-construction runoff from new development or redevelopment projects; and
C) Ensure adequate long-term operation and maintenance of BMPs.

BMP #1: Legal Authority

1. Description of BMP: The City must use an ordinance or other regulatory mechanism to address post – construction runoff from new development and redevelopment projects to the extent allowable under State and local law. See Attachment M – *Stormwater Ordinance (2006-71)*

2. Measurable goal(s): The City will evaluate the existing stormwater ordinance, and if necessary, modify the ordinance during the reporting period.

3. Documentation to be submitted with each annual report: If the ordinance is revised during the reporting period, the City will provide a copy of the adopted ordinance with the annual report.

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): 2006
   c. Frequency of actions (if applicable): As needed
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: Stormwater Technician

6. Rationale for choosing BMP and setting measurable goal(s): The stormwater ordinance ensures that controls are in place that will prevent or minimize water quality impacts.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: Through enforcement of the stormwater ordinance, this will ensure that post – construction stormwater is being handled properly.

BMP #2: Inventory

1. Description of BMP: The City updates, as needed, the inventory of all publicly owned post – construction stormwater management structures (e.g. detention / retention ponds, water quality vaults, infiltration structures) and only those privately – owned structures designed after the December 9, 2008 deadline for adoption of the GSMM (e.g. new structures). The inventory shall include information on the number and type of structures, and ownership (e.g. publicly – owned, privately owned). See Attachment N – *Post Construction Stormwater Management Structures – Includes all City of Valdosta Ponds and Private Ponds Designed After December 9, 2008*

2. Measurable goal(s): The City will update the inventory to include structures added during the reporting period.

3. Documentation to be submitted with each annual report: The City will provide the revised inventory in each annual report.

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): 2006 – Inventory
   c. Frequency of actions (if applicable): As needed
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: GIS / Real Property Coordinator

6. Rationale for choosing BMP and setting measurable goal(s): It is important to continuously maintain the post – construction information to identify problems and ensure proper functions.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: By having accurate information, the City can respond quickly and take the necessary steps to ensure proper function of the post – construction structures.

BMP #3: Inspection Program

1. Description of BMP: The City inspects all city and private maintained post-construction stormwater management structures, so that 100% are inspected within the 5-year permit term. Each inspection is documented and if maintenance and/or repairs are needed, the owner will be notified. See Attachment O – *Operation and Maintenance Inspection Report for Stormwater Management Ponds Form.* For information on the City Inspection Program, see Attachment P – *MS4 Inspection, Maintenance and Waste Disposal Procedures*.

2. Measurable goal(s): The City will inspect 20% of all post-construction stormwater management structure during the reporting period.

3. Documentation to be submitted with each annual report: The City will provide a summary of all inspections and hard copies of 20% of the inspections in each annual report.

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): 2006
      2013 – Procedures
   c. Frequency of actions (if applicable): Annually
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: Stormwater Technician (Private) and Environmental Technician (City)

6. Rationale for choosing BMP and setting measurable goal(s): Routine inspections help prevent potential nuisances, reduce the need for repair maintenance, and reduce the chance of polluting stormwater runoff by finding and fixing problems.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: By inspecting each pond on a routine basis, this will help to ensure that they are being properly maintained, functioning, and if any deficiencies are found to be addressed in a timely manner.

BMP #4: Maintenance Program

1. Description of BMP: The City will implement a long-term operation and maintenance program for post-construction stormwater management structures. At a minimum, the maintenance program must address all publicly-owned structures and those privately-owned structures with construction completed after the effective date of the permit (December 6, 2012). For information on the City Inspection Program, see Attachment P – *MS4 Inspection, Maintenance and Waste Disposal Procedures*.

2. Measurable goal(s): The City will document maintenance, as needed, on both public and private ponds to ensure proper function during the reporting period.

3. Documentation to be submitted with each annual report: The City will provide the pond inventory, ownership, and maintenance activities and / or maintenance agreement during the reporting period in each annual report, to include:

   Publicly-Owned Ponds
   The City will provide a list of ponds maintained and the type of maintenance performed, including documentation of maintenance activities performed.

   Privately-Owned Pond
   The City will provide a list of ponds and note whether the city and/or the owner/operator performs maintenance. If the city conducts the maintenance, a list of structures maintained and the type of maintenance performed, including documentation of maintenance activities performed will be provided. If maintenance is to be performed by an owner/operator in accordance with a maintenance agreement, the city will retain copies of the maintenance agreements. See Attachment W – *Stormwater Facility Maintenance Agreement (Example)*

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): December 2012
   c. Frequency of actions (if applicable): Annually
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: Stormwater Technician

6. Rationale for choosing BMP and setting measurable goal(s): Routine maintenance helps prevent potential nuisances, reduces the need for repair maintenance, and reduces the chance of polluting stormwater runoff by finding and fixing problems.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: By performing regular maintenance this will help to ensure the structure is functioning properly and minimize health and safety issues, property damage, etc.

BMP #5: Green Infrastructure/Low Impact Development (GI/LID) Structures

1. Description of BMP: The City will maintain an inventory of water quality – related GI/LID structures located within the permitted area and at a minimum, constructed after the effective date of the permit (December 6, 2012). As of August 13, 2013, no GI/LID structures have been constructed.

2. Measurable goal(s): The City will document each GI/LID structure constructed during the reporting period.

3. Documentation to be submitted with each annual report: The City will provide the GI/LID inventory, which will include the total number of each type of structure (e.g. bioswales, pervious pavement, rain gardens, cisterns, and green roofs) in each annual report.

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): August 2013 (Inventory)
   c. Frequency of actions (if applicable): Annually
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: Stormwater Technician

6. Rationale for choosing BMP and setting measurable goal(s): Green infrastructure / LID are approaches that communities can choose to maintain healthy waters and provide multiple environmental benefits.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: By incorporating natural processes into the built environment, stormwater management can be improved.

BMP #6: Green Infrastructure/Low Impact Development (GI/LID) Ordinance Evaluation

1. Description of BMP: The City will assess its ordinances to ensure they do not prohibit or impede the use of GI/LID practices, including infiltration, reuse, and evapotranspiration. At a minimum, the city shall assess the regulations governing road design and parking requirements. See Attachment Q – *Center for Watershed Protection – Code of Ordinances Worksheet Preliminary Evaluation.*

2. Measurable goal(s): The City will evaluate the ordinances to ensure they allow the use of GI/LID practices.

3. Documentation to be submitted with each annual report: The City will provide a written report to EPD with the 2014 annual report, which is due February 15, 2015. If ordinance revisions are needed, they must be adopted and submitted to EPD within four years of the effective date of the Permit (December 6, 2016).

4. Schedule:

   a. Interim milestone dates (if applicable): N/A
   b. Implementation dates (if applicable): February 2015 – Evaluation
December 2016 – Revisions (if needed)
   c. Frequency of actions (if applicable): Annually
   d. Month/Year of each action (if applicable): N/A

5. Person (position) responsible for overall management and implementation of the BMP: City Engineer and Planning & Zoning Administrator

6. Rationale for choosing BMP and setting measurable goal(s): Green infrastructure / LID are approaches that communities can choose to maintain healthy waters and provide multiple environmental benefits.

7. How you will determine whether this BMP is effective in reducing pollution to stormwater in accordance with Part 5.1.4 of the Permit: By incorporating natural processes into the built environment, stormwater management can be improved.