

**Military Facilities  
Phase II MS4**

**United States Army Garrison  
Fort Stewart, GA  
Storm Water Management Program  
Revision January 2015**

Please note that this template does not provide an exhaustive listing of what the NPDES Permit requires to be included in the Storm Water Management Program (SWMP). The permittee must carefully review each part of the Permit and ensure all items are included.

## **General Information for Submitting a SWMP**

- Your Storm Water Management Program (SWMP) becomes a part of the NPDES Permit, upon SWMP approval. It must be a complete document containing all the necessary components. Although policies, procedures, etc., were submitted with the previous SWMPs, the current SWMP must include the most recent version of these documents. Ensure that you submit all of the necessary components, including copies of the latest versions of the following:
  - 1) Adopted stormwater policies or regulatory mechanisms (Illicit Discharge, Erosion and Sedimentation, and Post-Construction);
  - 2) Standard Operating Procedures (e.g. dry weather screening procedures, construction site inspection procedures, trash/liter removal procedures);
  - 3) Blank copies of forms to be used to implement the SWMP, including inspection forms;
  - 4) Signed Memorandum of Agreements; and
  - 5) Maps and inventories.
  
- The NPDES Permit contains a table for each of the minimum control measures (MCMs). For four of the MCMs, the BMPs in the table contain a measurable goal that states what must be submitted with each annual report. Incorporate this information into the BMP's measurable goal in your SWMP. If the Permit does not specify what must be submitted, then the measurable goal for each BMP in your SWMP must still state what documentation will be submitted with the annual report.
  
- Documentation to be submitted as appendices to the SWMP can be submitted by hard copy or on CD. For example, copies of regulatory mechanisms or maps can be submitted using either method. If information is submitted on a CD, EPD must be able to open and read all files on the CD (e.g. GIS maps).

**STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

**Storm Water Management Program (SWMP)**

General NPDES Permit No. GAG480000 for  
Small Municipal Separate Storm Sewer Systems (MS4) at Military Facilities

**1. General Information**

A. Name of small MS4: **United States Army Garrison Fort Stewart**

B. Ownership Status

1. Check the military branch having ownership of the MS4:

- a.  Air Force
- b.  **X** Army
- c.  Marine
- d.  Navy
- e.  Georgia National Guard

2. If the operator of the MS4 is different from the owner, provide the name of the operator: **Directorate, Public Works**

C. County where MS4 is located: **Liberty County**

D. Name of responsible official: **Robert R. Baumgardt**

Title: **Director, Public Works**

Mailing Address: **DPW Environmental Division**

**1550 Veterans Parkway, Building 1137**

City: **Fort Stewart** State: **GA** Zip Code: **31314**

Telephone Number: **(912) 767-2010**

E. Designated stormwater management program contact:

Name: **Russell T. Moncrief**

Title: **Stormwater Program Manager**

Mailing Address: **DPW Environmental Division**

**1550 Veterans Parkway, Building 1137**

City: **Fort Stewart** State: **GA** Zip Code: **31314**

Telephone Number: **(912) 767-2010/0271**

Email Address: [russell.t.moncrief.ctr@mail.mil](mailto:russell.t.moncrief.ctr@mail.mil)

**2. Sharing Responsibility**

- A. Has another entity agreed to implement a control measure on your behalf?  
Yes\_\_\_ No **X** (If no, skip to Part 3)

Control Measure or BMP:

1. Name of entity **N/A**
2. Control measure or component of control measure to be implemented by entity on your behalf: **N/A**

- B. Attach an additional page if necessary to list additional shared responsibilities. **It is mandatory that you submit a copy of a written agreement between your MS4 and the other entity demonstrating written acceptance of responsibility.**

**3. Minimum Control Measures and Appendices**

- A. Public Education and Outreach
- B. Public Involvement/Participation
- C. Illicit Discharge Detection and Elimination
- D. Construction Site Stormwater Runoff Control
- E. Post-Construction Stormwater Management in New Development and Redevelopment
- F. Pollution Prevention/Good Housekeeping
- G. Appendix – Impaired Waters

**4. Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: **Robert R. Baumgardt** Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: **Director, Public Works**

# Storm Water Management Program

## Public Education and Outreach on Storm Water Impacts

40 CFR Part 122.34(b)(1) Requirement: The permittee must implement a public education program to distribute educational materials to the community and/or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

See Table 4.2.1(a) of the Permit

### A. Best Management Practice (BMP) #1

1. Target audience: Soldiers, Tenant Organizations, and Civilian working community.
2. BMP Title: Environmental Compliance Officer/Environmental Compliance Non-Commissioned Officer (ECO/ECNCO) Training Course
3. Description of BMP: ECO/ECNCO training and train-the-trainer program is onsite instruction by the DPW Environmental Division RCRA team and Stormwater Program to instruct Soldiers, Civilians and Tenants on the proper handling/storage/disposal of hazardous materials and stormwater program requirements for Industrial, MS4 & Construction Activities.
4. Measurable goal(s): ECO/ECNCO training and train-the-trainer program provided as a minimum four times annually includes onsite instruction by DPW Environmental Division RCRA team and Stormwater Program Management.
5. Documentation to be submitted with each annual report: Attendance Rosters with total number of personnel trained on an annual basis.
6. Schedule:
  - a. Interim milestone dates (if applicable): N/A
  - b. Implementation date (if applicable): N/A
  - c. Frequency of actions (if applicable): N/A
  - d. Month/Year of each action (if applicable): N/A
7. Person (position) responsible for overall management and implementation of the BMP: DPW Environmental Prevention & Compliance Branch-RCRA Section Leader-instructors, Stormwater Program Manager, and Stormwater Program personnel.
8. Rationale for choosing BMP and setting measurable goal(s): Trains Soldiers, Civilian and Tenant Workforces in the proper handling/storage/disposal of hazardous materials for any potential pollutant materials related to stormwater discharges.

**B. BMP #2**

1. Target audience: **Soldiers, Tenant Organizations, Civilian working community, school age children and surrounding local communities.**
2. BMP Title: **Local Community Events**
3. Description of BMP: **Operate display booths and distribute stormwater literature during events or include stormwater literature with the distribution of Consumer Confidence Report (CCR) packets. Demonstrate using any or all of the following tools: stormwater motorpool models, portable automatic samplers, and stormwater literature or literature included with CCR packets.**
4. Measurable goal(s): **Participate as a minimum in one local event (such as Keep America Beautiful Water Festivals, Installation Community Days, Earth Day Events, or Consumer Confidence Report packet distribution) annually.**
5. Documentation to be submitted with each annual report: **Date of Event, Title, photo documentation of the events and when applicable Certificates of Appreciation for participation in these events or quantity of stormwater literature distributed with Consumer Confidence Report packets with annual report.**
6. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
7. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch/Stormwater Program Manager, Stormwater and Public Relations personnel.**
8. Rationale for choosing BMP and setting measurable goal(s): **Effective way to interact with Installation personnel and residents as well as the local surrounding communities.**

## Public Involvement/Participation

40 CFR Part 122.34(b)(2) Requirement: The permittee must, at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program.

See Table 4.2.2 (a) of the Permit

### A. Best Management Practice (BMP) #1

1. Target audience/stakeholder group: Garrison, Military Units, Civilian employees and Tenant Organizations.
2. BMP Title: Environmental Quality Control Committee (EQCC) Forum Meetings
3. Description of BMP: EQCC meetings the EQCC and Sustainability Management Forums are to discuss environmental accomplishments and/or issues, and the prevention of potential impacts to the environment during training and everyday work related tasks, which are performed on the Installations by Soldiers, Civilians and Tenant Organizations.
4. Measurable goal(s): Attend two Environmental Quality Control Committee (EQCC) and one Sustainability Management forum meetings with Garrison Commander on an annual basis.
5. Documentation to be submitted with each annual report: The number of attendees and the invite list of individuals.
6. Schedule:
  - a. Interim milestone dates (if applicable): N/A
  - b. Implementation date (if applicable): N/A
  - c. Frequency of actions (if applicable): N/A
  - d. Month/Year of each action (if applicable): N/A
7. Person (position) responsible for overall management and implementation of the BMP: Garrison, Directorate of Public Works, and DPW Environmental Prevention & Compliance Branch/Stormwater Program and Public Relations personnel.
8. Rationale for choosing BMP and setting measurable goal(s): EQCC and Sustainability Management forums are to discuss environmental accomplishments, issues and the prevention of potential impacts to the environment during training and everyday work related tasks which are performed on the Installations.

**B. BMP #2**

1. Target audience/stakeholder group: **DPW Services Division Operations & Maintenance, Housing and Tenant Organizations, Soldiers, and Industrial Activities.**
2. BMP Title: **Storm Drain Identification**
3. Description of BMP: **Storm drain identification program. Spray paint and stencils provided by the Stormwater Program are utilized with Installation volunteers (Soldiers/Civilians), which are solicited via Public Relations Section coordination with DPW.**
4. Measurable goal(s): **Identify and mark twenty-five (25) Phase II MS4 storm drains annually in residential housing areas, parking lots, and administrative areas. Once all storm drains have been identified and marked, they will be remarked as needed.**
5. Documentation to be submitted with each annual report: **Spreadsheet of storm drains identified and marked with sign in rosters of participants which assisted with marking storm drains on an annual basis.**
6. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
7. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program personnel, Military Units and Installation Tenant Organizations.**
8. Rationale for choosing BMP and setting measurable goal(s): **The program was initiated in CY2000 with the Industrial Activity facility areas. It has been extended to the MS4 housing, tenant organizations and administrative areas; ensuring all Installation personnel are aware of potential risks and prevention of pollutants entering waters of the state.**



## Illicit Discharge Detection and Elimination

40 CFR Part 122.34(b)(3) Requirement: The permittee must develop, implement and enforce a program to detect and eliminate illicit discharges into your small MS4. You must:

- A) Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters of the State that receive discharges from those outfalls;
- B) Effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions;
- C) Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to your system; and
- D) Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.

See Table 4.2.3 (a) of the Permit

### A. Best Management Practice (BMP) #1

- 1. BMP Title: Legal Authority
- 2. Description of BMP: Enforce existing DoD Army Regulations 200-1 Section 4-2 Water Resources, FS/HAAF Illicit Discharge and Connection Compliance Guidance and DPW Policy Letter #11 Stormwater Program Management, in conjunction with the illicit discharge screening program. These documents are available from the Installation Intranet "public folders" at the Environmental Division web link and in the DPW Environmental Prevention and Compliance Branch Library.
- 3. Measurable goal(s): The regulatory mechanism will be evaluated annually.
- 4. Documentation to be submitted with each annual report: If the regulatory mechanism is revised during the reporting period, a copy will be submitted with the annual report.
- 5. Schedule:
  - a. Interim milestone dates (if applicable): N/A
  - b. Implementation date (if applicable): N/A
  - c. Frequency of actions (if applicable): N/A
  - d. Month/Year of each action (if applicable): N/A

6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures DPW Services, Engineering, and Housing Divisions, Soldiers, Tenant Organizations, and Civilian working communities are aware of the requirements. Exposes enforcement mechanism to a larger audience to assist with elimination of illicit discharges. DPW Policy Letter #10 – Dry Detention Basins was implemented during the 2012 reporting period, DPW Policy Letter #11 – Stormwater Management Program was implemented during the 2011 reporting period, and the Illicit Discharge Detection and Elimination Plan was implemented during the 2010 reporting period. These documents and the other FS/HAAF Stormwater Program documents are available on the Environmental Division web link:**  
[http://www.stewart.army.mil/info.asp?e=DPW/Environmental Division&p=Downloads](http://www.stewart.army.mil/info.asp?e=DPW/Environmental%20Division&p=Downloads)

**B. BMP #2**

1. BMP Title: **Outfall Map and Inventory**
2. Description of BMP: **Geographic Information System (GIS) Mapping Database of the MS4 area will be updated annually, with the map showing the location of all outfalls and the names and locations of all waters of the state which receive discharges from these outfalls.**
3. Measurable goal(s): **Mapping will be updated continuously as new structures are constructed within the MS4 area.**
4. Documentation to be submitted with each annual report: **An updated inventory and map showing any outfalls added during the reporting period and the total number of outfalls will be submitted annually.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Mapping will be updated continuously as new structures are constructed within the MS4 area which will assist with updates to outfall inventories.**

C. **BMP #3**

1. BMP Title: **IDDE Plan**
2. Description of BMP: **Dry Weather Screening for illicit discharges will be performed and documented on the Dry Weather Screening Inspection Reports, tracing the source of any dry weather flows and ensuring any illicit discharges discovered will be eliminated (note: types of illicit discharges, the tracking tools and indicator monitors for these types of discharges can be found in the FS/HAAF IDDE Plan Sections 2.0, 4.0 and 5.0, respectively).**
3. Measurable goal(s): **Perform visual Dry Weather Screening inspections of 20% of the MS4 outfalls annually during dry weather conditions.**
4. Documentation to be submitted with each annual report: **Dry Weather Screening Inspection Reports with number performed on an annual basis, which will also note the results of any source tracking, indicator monitors, and elimination activities implemented will be submitted on an annual basis.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program personnel and contractors.**
7. Rationale for choosing BMP and setting measurable goal(s): **When NSWDS are discovered they will be analyzed and eliminated if it is an illicit discharge.**

D. **BMP #4**

1. BMP Title: **Education**
2. Description of BMP: **Posters, brochures, and other literature. Posters will be hung in Motorpools/Tactical Facilities, Shoppettes, Barracks and Public Places; stormwater literature will be distributed at Local Events and/or during Consumer Confidence Report distribution.**
3. Measurable goal(s): **Distribute literature related to stormwater and illicit discharges; 10 ea posters hung annually with photo documentation; 200 ea stormwater literature distributed during Local Events and/or during Consumer Confidence Report distribution annually.**
4. Documentation to be submitted with each annual report: **Number of posters with photo documentation, the number of stormwater literature distributed during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program and other Environmental Division personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Effective outreach with printed literature and materials which can be posted and/or distributed at the Installation and Local surrounding areas during Community events and at day to day operational areas.**

E. **BMP #5**

1. BMP Title: **IDDE Complaint Response**
2. Description of BMP: **Illicit Discharge Detection and Reporting via Installations telephone 911 operator, who contacts the Environmental Division and the Division personnel respond to the affected area and investigate immediately; then the Division personnel meet with the staff at the facility or facilities to determine the initial cause and prevention measures from reoccurring when applicable. Written procedures for the receipt, investigation, and tracking of illicit discharge complaints will be submitted by Feb 15, 2016.**
3. Measurable goal(s): **Respond to 100% of reported illicit discharge complaints received via Installation telephone 911 operator. When detected, illicit discharge corrective actions are implemented immediately. If cannot be corrected immediately, an appropriate timeline for corrective action implementation are dependent upon cost and impacts to the Environment, Public Health and Welfare.**
4. Documentation to be submitted with each annual report: **Number of complaints with Spreadsheet and Memorandums for Record of Illicit Discharges with corrective actions implemented.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program and other Environmental Division personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Effective way to interact with Installation personnel and residents as well as the local surrounding communities.**

## **Construction Site Storm Water Runoff Control**

**40 CFR Part 122.34(b)(4) Requirement:** The permittee must develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Storm water discharges from construction activity disturbing less than one acre must be included in the permittee's program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include:

- A) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance;
- B) Requirements for construction site operators to implement appropriate erosion and sediment control best management practices;
- C) Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
- D) Procedures for site plan review which incorporate consideration of potential water quality impacts;
- E) Procedures for receipt and consideration of information submitted by the public; and
- F) Procedures for site inspection and enforcement of control measures.

**See Table 4.2.4 (a) of the Permit**

### **A. Best Management Practice (BMP) #1**

1. BMP Title: **Legal Authority**
2. Description of BMP: **DPW Policy Letter #10 – Dry Detention Basins, DPW Policy Letter #11 – Stormwater Management Program-Fort Stewart/Hunter Army Airfield Stormwater Guidance For Construction Site Runoff Control. These documents and other FS/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**  
[http://www.stewart.army.mil/info.asp?e=DPW/Environmental Division&p=Downloads](http://www.stewart.army.mil/info.asp?e=DPW/Environmental%20Division&p=Downloads)

3. Measurable goal(s): **All projects are reviewed to ensure the DPW Policy Letters are adhered to. Additionally, Notice of Intent submittals are required to include the Georgia Stormwater Management Manual/Coastal Stormwater Supplement Worksheets with calculated runoff reductions for the 95% rain events (1.94 inches--reference EISA Section 438), when applicable. NRCS and the Environmental Division Stormwater Program Manager reviews and approves construction site E&SPCPs and NRCS serves as “technical oversight” for all construction site projects. The regulatory mechanism will be reviewed for potential updates on an annual basis.**
4. Documentation to be submitted with each annual report: **Copies of the “technical oversight” form from NRCS for each construction project where an NOI has been submitted and if the regulatory mechanism is revised during the reporting period, a copy will be submitted with the annual report.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and NRCS representative.**
7. Rationale for choosing BMP and setting measurable goal(s): **State of Georgia Permitting requirements and the Department of Defense (DoD) requirements, which reference EISA—Section 438 Stormwater Program Management.**



**B. BMP #2**

1. BMP Title: **Site Plan Review Procedures**
2. Description of BMP: **The Director, Public Works & construction site operators jointly sign Construction Notice of Intent's (NOI's), the DPW as "owner" and the contractor as "operator" for Construction Projects. DPW Policy Letter #10–Dry Detention Basins, Policy Letter #11– Stormwater Management Program, & FS/HAAF Stormwater Guidance For Construction Site Runoff Control & Post Construction Stormwater Management Guidance For New Development & Redevelopment. These documents and other FS/HAAF Stormwater Program plans and documents are available on the Environmental Division link: [http://www.stewart.army.mil/info.asp?e=DPW/Environmental Division&p=Downloads](http://www.stewart.army.mil/info.asp?e=DPW/Environmental%20Division&p=Downloads) All projects design plans are reviewed by DPW Environmental Stormwater Program Manager to ensure the DPW Policy Letters and Construction Permitting requirements are adhered too. Along with the Notice of Intent submittals it is required to submit the Georgia Stormwater Management Manual/Coastal Stormwater Supplement worksheets with calculated runoff reductions for the 95% rain events (1.94 inches--reference EISA Section 438). NRCS and the Environmental Division Stormwater Program Manager reviews and approves construction site E&SPCPs; additionally, the NRCS representative serves as "technical oversight" for E&S for all construction projects.**
3. Measurable goal(s): **Will confirm 100% of plans are submitted.**
4. Documentation to be submitted with each annual report: **Copies of the "technical oversight" form from NRCS for each permitted construction project will be provided with a list of site plans project titles reviewed, which depicts the number of site plans received, reviewed and approved during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **Director, Public Works, DPW Environmental Prevention & Compliance Branch Stormwater Program Manager, NRCS, and contractors.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures DoD, federal, and state regulatory requirements are being adhered too.**

- C. BMP #3**
1. BMP Title: **Inspection Program**
  2. Description of BMP: Perform **Construction Site Compliance Inspections with appropriate Inspection Reports**
  3. Measurable goal(s): **Construction sites will be inspected following installation of the initial BMPs, once a month during active construction and after final site stabilization by the DPW Environmental Stormwater Program personnel to document contractor compliance with E&SPCPs and construction permitting.**
  4. Documentation to be submitted with each annual report: **A list of active construction sites and copies of any compliance inspection reports performed during the reporting period will be submitted with annual report.**
  5. Schedule:
    - a. Interim milestone dates (if applicable): **N/A**
    - b. Implementation date (if applicable): **N/A**
    - c. Frequency of actions (if applicable): **N/A**
    - d. Month/Year of each action (if applicable): **N/A**
  6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
  7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the E&S BMPs implemented are working as designed and the Construction Permit requirements are being adhered to.**

D. **BMP #4**

1. BMP Title: **Enforcement Procedures**
2. Description of BMP: **Notification of DPW Environmental Program E&S Construction Compliance Inspections. Construction sites are inspected once a month by the DPW Environmental Stormwater Program personnel. Upon completion of these compliance inspections, the inspection reports are submitted to all concerned (e.g. USACOE Project Managers & COE Residential Office Chief, DPW Engineering Project Managers & Engineering Division Chief, NRCS, and contractor site personnel).**
3. Measurable goal(s): **100% of non-compliance issues discovered during inspections will be addressed either immediately or within appropriate timelines; otherwise work will be stopped until deficiencies are corrected within required timelines.**
4. Documentation to be submitted with each annual report: **Provide documentation of how many, type of non-compliance and status of the corrective actions for non-compliance during the reporting period, when applicable. Reference BMP #3—Construction Site Compliance Inspections with email of compliance/non-compliance, and Erosion & Sedimentation Compliance Status Spread Sheet.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures all personnel involved are aware of the compliance status and what corrective actions are required when non-compliance issues are noted.**

E. **BMP #5**

1. BMP Title: **Construction Activities Complaint Response**
2. Description of BMP: **Respond to 100% of the complaints reported via Installation 911 operator or by individuals which contact the Environmental Division. The Division personnel will (a) within 24 hours of notification respond to the area of concern and investigate the issues, (b) within 48 hours meet with the contractors at the facility or facilities and complete the Construction Site Inspection Checklist to determine the initial cause and any prevention measures which must be implemented to keep this type of incident from reoccurring, and (c) within 7 days of investigation prepare a Memorandum for Record (MFR) of each incident and corrective actions implemented if warranted. The MFR will depict the date, time, location, and type of complaint, any corrective actions required for implementation, with the required timelines for completion (e.g. immediate, 2-3 days, 7 days, etc...), if applicable.**
3. Measurable goal(s): **Respond to 100% of complaints related to construction activities within 24 hours during normal operating hours.**
4. Documentation to be submitted with each annual report: **Total number of complaints received with a Memorandum for Record (MFR) of each incident and corrective actions implemented if warranted. The MFR will depict the date, time, location, and type of complaint, any corrective actions required for implementation, with the required timelines for completion (e.g. immediate, 2-3 days, 7 days, etc...), if applicable.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures timely response for complaints and when appropriate, corrective actions which may be needed, between formal monthly inspections.**

F. **BMP #6**

1. BMP Title: **Certification E&S**
2. Description of BMP: **GA State E&S Certifications: DPW Environmental Stormwater Program Staff have E&S Level 1B and Level II Reviewer Certifications; construction project personnel at a minimum must have one individual with a level 1A state certification on site during any land disturbance activity. When Environmental Stormwater Program personnel perform monthly E&S compliance inspections it is confirmed that required E&S certified personnel are on the construction site during land disturbance activities as required.**
3. Measurable goal(s): **100% of the personnel involved with the DPW Environmental Stormwater construction program are certified.**
4. Documentation to be submitted with each annual report: **Will provide the number and type of current certifications held by DPW Environmental Stormwater Construction Program personnel.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the State requirements for inspections and land disturbance activities are adhered too.**

## **Post-Construction Storm Water 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.

See Table 4.2.5 (a) of the Permit

### **A. Best Management Practice (BMP) #1**

1. BMP Title: **Legal Authority**
2. Description of BMP: **DPW Policy Letter #10 – Dry Detention Basins, DPW Policy Letter #11 – Stormwater Management Program, and Fort Stewart/Hunter Army Airfield Post Construction Stormwater Management Guidance For New Development and Redevelopment. DoD EISA—Section 438. These documents and other FS/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**  
<http://www.stewart.army.mil/info.asp?e=DPW/EnvironmentalDivision&p=Downloads>  
**All projects design plans are reviewed by DPW Environmental Stormwater Program Manager to ensure the DPW Policy Letters and Construction Permitting requirements are adhered too. Additionally, with the Notice of Intent submittals it is required to submit the Georgia Stormwater Management Manual/Coastal Stormwater Supplement worksheets with calculated runoff reductions for the 95% rain events (1.94 inches--reference EISA Section 438). NRCS and the Environmental Division Stormwater Program Manager reviews and approves construction site E&SPCPs; additionally, the NRCS representative serves as “technical oversight” for E&S for all construction projects.**
3. Measurable goal(s): **The regulatory mechanism will be evaluated annually.**

4. Documentation to be submitted with each annual report: **If the regulatory mechanism is revised during the reporting period, a copy will be submitted with the annual report.**
  
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
  
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager, Stormwater and NRCS personnel.**
  
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures during the construction inspections process that the appropriate post construction BMPs are installed as per the approved design.**

**B. BMP #2**

1. BMP Title: **Inventory-Post Construction BMPs**
2. Description of BMP: **Post construction BMPs installed (e.g. dry detention basins/retention ponds and infiltration structures-swales, sand filters, etc...) are added to the stormwater program spreadsheet inventory listing of post construction BMPs.**
3. Measurable goal(s): **Upon completion of construction projects the type, quantity and location of Post construction BMPs are added to the stormwater program spreadsheet inventory listing and mapping is updated.**
4. Documentation to be submitted with each annual report: **Copy of the Post Construction BMP spreadsheet listing total number of BMPs with the number of new BMPs added to the current inventory submitted with annual reports.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures there is a listing of post construction BMPs and is current for inspections and required routine maintenance.**



**C. BMP #3**

1. BMP Title: **Inspection Program-Post Construction BMPs**
2. Description of BMP: **On an annual basis, the post construction BMPs are inspected noting any discrepancies such as trash, debris, wooded vegetation, structural integrity of headwalls, wing walls, obstructions to inlets and/or outlets, etc...**
3. Measurable goal(s): **Inspect 20% of the Post Construction BMPs annually.**
4. Documentation to be submitted with each annual report: **Submit copies of the post construction inspection reports on an annual basis.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures there is a listing of post construction BMPs and is current for inspections and required routine maintenance.**

D. **BMP #4**

1. BMP Title: **Maintenance Program**
2. Description of BMP: **Post Construction BMPs maintenance--Reference BMP #3 Inspection Program-Post Construction BMPs--Inspect 20% of the Post Construction BMPs annually. DPW Environmental personnel will provide the inspection reports via email to DPW Services Division Operations & Maintenance-Roads & Grounds supervisor's and coordinate for any maintenance which needs to be performed. Follow up inspections will be performed within 90 days to ensure the required maintenance has been performed.**
3. Measurable goal(s): **Maintenance will be conducted on structures as needed, the follow up inspections will document maintenance has or has not been performed.**
4. Documentation to be submitted with each annual report: **Reference BMP#3 Inspection Program-Post Construction BMPs-- copies of the post construction inspection reports with email submittals of inspections and follow up inspections to DPW O&M for noted maintenance and documentation of the type of maintenance performed will be submitted with annual reports.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures post construction BMPs are inspected and required routine maintenance is performed.**

**E. BMP #5**

1. BMP Title: **GI/LID Structures**
2. Description of BMP: **Reference BMP #2 Post construction BMPs installed (e.g. bio-cells, rain gardens, permeable pavements, etc...) are added to the stormwater program GI/LID spreadsheet inventory listing of post construction BMPs.**
3. Measurable goal(s): **Copy of the GI/LID BMPs will be tracked through the plan review process and added to the GI/LID spreadsheet listing and mapping inventory, with the number of new GI/LID BMPs added to the current inventory.**
4. Documentation to be submitted with each annual report: **Reference BMP #2 Post Construction BMPs; Copy of the Post Construction BMP GI/LID spreadsheet listing and mapping with number of new GI/LID BMPs added to the current inventory will be submitted with annual reports.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures there is a listing of GI/LID BMPs and is current for inspections and required routine maintenance.**

F. **BMP #6**

1. BMP Title: **GI/LID Structure Inspection Program**
2. Description of BMP: **GI/LID Inspections--the GI/LID BMPs are inspected noting any discrepancies such as trash, debris, wooded vegetation, structural integrity of headwalls, wing walls, plants, etc...**
3. Measurable goal(s): **GI/LID Inspections--Inspect 20% of the GI/LID BMPs annually.**
4. Documentation to be submitted with each annual report: **GI/LID Inspections--Submit copies of the GI/LID inspection reports with the number and percentage of structures inspected during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures there is a listing of GI/LID BMPs and is current for inspections and required routine maintenance.**

**G. BMP #7**

1. BMP Title: **GI/LID Structure Maintenance Program**
2. Description of BMP: **Inspect 20% of the GI/LID BMPs annually for needed maintenance with the GI/LID Inspection Report. DPW Environmental personnel will provide the inspection reports to DPW Services Division Operations & Maintenance-Roads & Grounds supervisor and coordinate for any maintenance which needs to be performed. Follow up inspections will be performed within 90 days to ensure the required maintenance has or has not been performed.**
3. Measurable goal(s): **Maintenance of GI/LID BMP structures will be performed as needed.**
4. Documentation to be submitted with each annual report: **Reference BMP #6 GI/LID BMPs Inspections for needed maintenance. Submit copies of the GI/LID BMP inspection reports with email submittals of inspections and follow up inspections to DPW O&M/R&G for noted maintenance with the number of each type of structure maintained during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures GI/LID BMPs are inspected and required routine maintenance is performed.**

## **Pollution Prevention/Good Housekeeping for Municipal Operations**

40 CFR Part 122.34(b)(6) Requirement: The permittee must develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials available from the USEPA and other organizations as guidance, the permittee must, as a part of this program, include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

See Table 4.2.6 (a) of the Permit

### **A. Best Management Practice (BMP) #1**

1. BMP Title: **MS4 Control Structure Inventory and Map--Reference Table 4.2.3 (a) of the Permit Outfall Map and Inventory**
2. Description of BMP: **Geographic Information System (GIS) Mapping Database of the MS4 area drainage and control structures (e.g. catch basins, headwalls, conveyance ditches, detention basins, retention ponds, drop inlets, and storm drain lines and pipe).**
3. Measurable goal(s): **Mapping will be updated continuously as new structures are constructed or are installed within the MS4 area.**
4. Documentation to be submitted with each annual report: **Field investigations performed during the reporting period will confirm additional MS4 outfalls, drainage and control structures, which will be submitted on updated maps with total number of structures added during the reporting period and the total number of structures.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Mapping will be updated continuously as new structures are constructed within the MS4 area, which will assist with updates to outfall and control structure inventories.**

**B. BMP #2**

1. BMP Title: **MS4 Inspection Program for Pollution Prevention**
2. Description of BMP: **Utilizing the MS4 Control Structure Inspection Checklist, Stormwater Program personnel will conduct inspections of the MS4 control structures (catch basins, curb inlets, ditches, headwalls, streams, storm drain lines, and swales).**
3. Measurable goal(s): **Stormwater Program personnel will inspect 20% of the MS4 control structures annually, utilizing the MS4 Control Structure Inspection Checklist.**
4. Documentation to be submitted with each annual report: **Provide the total number of MS4 control structures on the Installation, the number of MS4 control structures inspected, and the percentage of structures inspected during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the MS4 control structures are inspected to prevent pollution.**

C. **BMP #3**

1. BMP Title: **MS4 Maintenance Program**
2. Description of BMP: **Maintenance of MS4 stormwater conveyance systems and structures (e.g. conveyance ditches, piping systems, headwalls, wing walls, drop and curb inlets, catch basins, etc...) are inspected for debris or trash which needs removal and any maintenance which needs to be performed following the Installation Stormwater Maintenance SOP. DPW Environmental personnel will provide the inspection reports to DPW Services Division Operations & Maintenance-Roads & Grounds (R&G) supervisor and coordinate for maintenance which needs to be performed.**
3. Measurable goal(s): **Maintenance will be performed as needed.**
4. Documentation to be submitted with each annual report: **Will provide the number of each type of structure maintained during the reporting period and copies of the inspection reports and email submittals of inspections to DPW O&M for noted maintenance.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the stormwater collection systems are inspected and required routine maintenance is performed.**



D. **BMP #4**

1. BMP Title: **Trash/Liter Removal for Pollution Prevention**
2. Description of BMP: **When debris or trash is identified during MS4 stormwater inspections (MS4 Control Structures, GI/LID, and Post Construction Stormwater Management Structures) a Service Order (SO) is placed for required debris or trash removal. The trash or debris is collected from these areas by DPW Services Operations & Maintenance Division Roads/Grounds (R/G) who perform maintenance on the above noted facilities, parking lots and roadways. Trash and debris are disposed of in appropriate areas (e.g. landfills).**
3. Measurable goal(s): **Will provide the number of structures maintained (by type) during the reporting period with copies of the inspection reports, and Service Order No. debris or trash removal. Perform an MS4 system re-inspection within 90 days of service order placement to confirm trash/debris removal.**
4. Documentation to be submitted with each annual report: **Along with copies of the inspection reports, a screen shot of the service order submitted (which will include the description, date submitted, and completion date) will be provided, when applicable.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the stormwater collection systems are inspected and required routine debris and trash removal is performed.**

E. **BMP #5**

1. BMP Title: **Employee Training Reference BMP #1 Table 4.2.1(a) of the Permit Environmental Compliance Officer/Environmental Compliance Non-Commissioned Officer (ECO/ECNCO) Course. Soldiers, Tenant Organizations, and Civilian working community.**
2. Description of BMP: **ECO/ECNCO training and train-the-trainer program is onsite instruction by the DPW Environmental Division RCRA team and Stormwater Program to instruct Soldiers, Civilians and Tenants on the proper handling/storage/disposal of hazardous materials and stormwater program requirements for Industrial, MS4 & Construction Activities.**
3. Measurable goal(s): **ECO/ECNCO training and train-the-trainer program provided as a minimum four times annually.**
4. Documentation to be submitted with each annual report: **Attendance Rosters with total number of personnel trained on an annual basis reference BMP #1 Table 4.2.1(a) .**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Prevention & Compliance Branch-RCRA Section Leader-instructors, Stormwater Program Manager, and Stormwater Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Trains Soldiers, Tenants, Civilian and Municipal Workforces in proper handling of hazardous materials, storage and disposal, related to Industrial, Construction and Municipal Activities for any potential pollutant materials of concern related to stormwater discharges.**

F. **BMP #6**

1. BMP Title: **MS4 Waste Disposal**
2. **Description of BMP: Waste from cleaning of stormwater collection system**
3. Measurable goal(s): **Totals placed within SWARS reporting will be utilized for overall tonnage of solid waste, yard waste, construction debris and recycling on an annual basis.**
4. Documentation to be submitted with each annual report: **Tracked totals for Municipal Solid Waste, Yard waste, Construction debris, and Recycling and reported tonnage which is placed in SWARS.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Recycling personnel track the totals for the municipal solid waste, yard waste, construction debris, and the recycling center.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures tacking of municipal solid waste, yard waste, construction debris and recyclable materials; although this is already reported in SWARS.**

**G. BMP #7**

1. BMP Title: **New Flood Management Projects**
2. Description of BMP: **Reference Table 4.2.5 (a) of the Permit A. Best Management Practice (BMP) #1---DPW Policy Letter #10 – Dry Detention Basins, DPW Policy Letter #11 – Stormwater Management Program, and Fort Stewart/Hunter Army Airfield Post Construction Stormwater Management Guidance For New Development and Redevelopment. DoD EISA—Section 438. These documents and other FS/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**  
<http://www.stewart.army.mil/info.asp?e=DPW/EnvironmentalDivision&p=Downloads>  
**All projects design plans are reviewed by DPW Environmental Stormwater Program Manager to ensure the DPW Policy Letters and Construction Permitting requirements are adhered too. Along with the Notice of Intent submittals it is required to submit the Georgia Stormwater Management Manual/Coastal Stormwater Supplement worksheets with calculated runoff reductions for the 95% rain events (1.94 inches--reference EISA Section 438). NRCS and the Environmental Division Stormwater Program Manager reviews and approves construction site E&SPCPs; additionally, the NRCS representative serves as “technical oversight” for E&S for all construction projects.**
3. Measurable goal(s): **Ensure 100% of the plans reviewed comply to the maximum extent practicable for the post-construction standards flood management controls.**
4. Documentation to be submitted with each annual report: **Reference Construction Site Runoff Control Table 4.2.4(a) BMP #2 Site Plan Review Procedures; Copies of the “technical oversight” form from NRCS for each permitted construction project will be provided, which is the number of plans reviewed and approved, where flood management controls were assessed for water quality impacts.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager, Stormwater and NRCS personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures during the construction review process that the appropriate post construction BMPs and flood management controls are installed as per the approved designs to the maximum extent practicable.**

H. **BMP #8**

1. BMP Title: **Existing Pollution Prevention Flood Management Projects**
2. Description of BMP: **In 2011 and 2012 DPW Environmental Stormwater Program performed stormwater modeling of the post construction BMPs to determine their effectiveness in meeting the design criteria for the EISA Section 438 & GA SWMM/CSS requirements. This modeling determined most of the structures were meeting the criteria. Corrective actions for structures with modeling results below desired standards were recommended. The ability to implement these corrective actions (retro-fitting detention basins) is dependent upon funding availability during the 5-year permit cycle.**
3. Measurable goal(s): **Dependent upon funding availability, will complete retrofitting at least 1 post construction BMP within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **Will provide a summary of any post-construction BMP retrofit projects performed during the reporting period.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **Director of Public Works.**
7. Rationale for choosing BMP and setting measurable goal(s): **Improve flood control/management using results of flood studies.**

**Note:** This Post-Construction BMP modeling assisted with the development for the revisions of DPW Policy Letter #10 Dry Detention Basin designs in 2012 to ensure future post construction BMPs would be designed appropriately to meet EISA Section 438 & GSWMM/CSS requirements.

I. **BMP #9**

1. BMP Title: **Municipal-Type Facilities**
2. Description of BMP: **Stormwater Program personnel will conduct Inspections of nineteen (19) Municipal Operation Facilities (facilities which do not have discernible outfalls which are not classified as Industrial Activities; however, maintenance operations, equipment storage, etc...is conducted at these facilities).**
3. Measurable goal(s): **Stormwater Program personnel will conduct inspections of 20% of the total number (19) of Municipal Operation facilities annually. Update Municipal Operations facility inventory annually. Track and report the total number of inspections performed on an annual basis.**
4. Documentation to be submitted with each annual report: **Will provide an updated inventory each year and provide documentation of inspections performed of Municipal Operations, Recycling inspections and classes performed on quarterly basis during the reporting period by DPW Environmental Recycling Program personnel.**
5. Schedule:
  - a. Interim milestone dates (if applicable): **N/A**
  - b. Implementation date (if applicable): **N/A**
  - c. Frequency of actions (if applicable): **N/A**
  - d. Month/Year of each action (if applicable): **N/A**
6. Person (position) responsible for overall management and implementation of the BMP: **DPW Environmental Stormwater Program Manager, Stormwater program and Recycling Program personnel.**
7. Rationale for choosing BMP and setting measurable goal(s): **Ensures the Municipal Operations and Recycling facilities are inspected.**

## Appendix

### Impaired Waters

1. The MS4 must develop an Impaired Waters Monitoring and Implementation Plan (see Part 4.3 of the NPDES Permit) including:
  - A list of impaired waters and the pollutant(s) of concern.
  - A Monitoring and Implementation Plan, that includes:
    - a. Sample location;
    - b. Sample type, frequency, and seasonal considerations;
    - c. Monitoring implementation schedule;
    - d. A map showing the location of the impaired waters and all identified MS4 outfalls located on the impaired waters or occurring within one linear mile upstream of the waters or a schedule for confirming those outfalls; and
    - e. Description of proposed BMPs.
  - Description of the method used to annually assess data trends for each pollutant of concern.
  
2. The Impaired Waters Monitoring and Implementation Plan must be submitted with the annual report due February 15, 2016.

Final completion date/date of submittal to EPD: **Please see revised map of impaired waters, with MS4 outfalls located on impaired waters and sample locations. The Impaired Waters Monitoring Plan will be submitted with the February 15, 2016 Annual Report.**

**NOTE:** Upon completion, the Impaired Waters Monitoring and Implementation Plan will be included as an Appendix to the SWMP.