



DEPARTMENT OF THE ARMY
U.S. ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, U.S. ARMY GARRISON, FORT STEWART/HUNTER ARMY AIRFIELD
DIRECTORATE OF PUBLIC WORKS
1587 VETERANS PARKWAY BUILDING 1101
FORT STEWART, GEORGIA 31314-5602

JUL 03 2024

Georgia Department of Natural Resources
Environmental Protection Division
NonPoint Source Program
Attention: Mr. Kristopher Ballou
2 Martin Luther King Jr. Drive SE
Atlanta, Georgia 30334

Dear Mr. Ballou:

Please find enclosed the required Hunter Army Airfield Stormwater Management Program for coverage under the National Pollution Discharge Elimination Systems (NPDES) Permit GAG480000 to Discharge Stormwater Associated with Small Municipal Separate Storm Sewer Systems (MS4) at Military Facilities. The following supporting documents are enclosed for you use and information:

- a. Hunter Army Airfield Stormwater Management Program and a compact disc with supporting documentation.

If additional information is required, please contact Ms. Veronica Frazier or Mr. Christian Montano, Directorate of Public Works Prevention and Compliance Branch, at (912) 767-2010.

Sincerely,

A handwritten signature in black ink, appearing to read "J-L Heidle", is positioned above the printed name.

James L. Heidle
Director, Public Works

Enclosures

**Military Facilities
Phase II MS4**

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

July 2024

**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 Hunter Army Airfield**

B. Ownership Status

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

- a. ☐ Air Force
- b. ☒ 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: **Chatham County**

D. Name of responsible official: **Veronica Frazier**

Title: **Infrastructure Section Team Leader**

Mailing Address: **DPW Environmental Division**

1550 Veterans Parkway, Building 1137

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

Telephone Number: **(571) 801-0205**

Email Address: veronica.g.frazier.civ@army.mil

E. Designated stormwater management program contact:

Name: **Christian Montano**

Title: **Stormwater Program Manager**

Mailing Address: **DPW Environmental Division**

1550 Veterans Parkway, Building 1137

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

Telephone Number: **(571) 801-0409**

Cell Number: **(912) 210-6804**

Email Address: christian.k.montano.civ@army.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.**

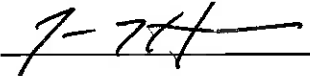
3. **Minimum Control Measures and Appendices**

- 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: **James L. Heidle** Date: _____

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

Storm Water Management Program

Minimum Control Measure **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, Civilians, Tenant Organizations, and Contractors.**
2. BMP Title: **Environmental Compliance Officer/Environmental Compliance Non-Commissioned Officer (ECO/ECNCO) Training Course**
3. Description of BMP: **Personnel from the Stormwater Program will conduct stormwater education during the ECO/ECNCO Training Course on the proper handling, storage, and disposal of hazardous materials and stormwater program requirements for industrial, construction, and MS4 activities.**
4. Measurable goal(s): **The ECO/ECNCO Training Course will be provided at a minimum of 3 times annually.**
5. Documentation to be submitted with each annual report: **The attendance rosters will be submitted with the 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: **Stormwater Program Manager**

8. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to convey information about the stormwater program and stormwater pollution reduction.**

B. BMP #2

1. Target audience: **Soldiers, Civilians, Tenant Organizations, Contractors, and Residents.**
2. BMP Title: **Consumer Confidence Report (CCR) Distribution Event**
3. Description of BMP: **Distribute stormwater flyers during the CCR distribution event.**
4. Measurable goal(s): **Distribute 200 stormwater flyers annually.**
5. Documentation to be submitted with each annual report: **The stormwater flyer which was distributed throughout the reporting period, along with a table depicting how many flyers were distributed will be submitted with the 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: **Stormwater Program Manager**
8. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to convey information about the stormwater program and stormwater pollution reduction.**

Minimum Control Measure
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: **Soldiers, Civilians, Tenant Organizations and Contractors.**
2. BMP Title: **Environmental Quality Control Committee (EQCC) Meetings**
3. Description of BMP: **EQCC meetings are typically held quarterly. The Garrison Commander chairs the committee which presents environmental information, updates, and issues while providing a forum for the target audience to voice any concerns**
4. Measurable goal(s): **Attend 2 EQCC meetings annually and present stormwater information as needed.**
5. Documentation to be submitted with each annual report: **The EQCC Attendance Rosters will be submitted with the 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: **Infrastructure Section Team Leader**
8. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to promote stormwater awareness and involvement.**

B. BMP #2

1. Target audience/stakeholder group: **Soldiers, Civilians, Tenant Organizations, Contractors, and Residents.**
2. BMP Title: **Storm Drain Identification**
3. Description of BMP: **Utilizing volunteers, identify and mark Phase II MS4 storm drains with stencils and spray paint.**
4. Measurable goal(s): **Identify and mark 25 Phase II MS4 storm drains annually.**
5. Documentation to be submitted with each annual report: **The sign in roster and a spreadsheet with pictures will be submitted with the 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: **Stormwater Program Manager**
8. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to promote stormwater awareness and involvement.**

Minimum Control Measure
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: **Illicit Discharge Detection and Elimination (IDDE) Legal Authority**
- 2. Description of BMP: **The installation has developed legal authority for the regulation of IDDE through DoD Army Regulations 200-1 Section 4-2 Water Resources, FSGA/HAAF Illicit Discharge and Connection Compliance Guidance, FSGA/HAAF Illicit Discharge Detection & Elimination Complaint Response SOP, and DPW Policy Letter #11 - Stormwater Management Program. These documents and other FSGA/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**
[**https://home.army.mil/stewart/about/Garrison/DPW/environmental/prevention-and-compliance/water**](https://home.army.mil/stewart/about/Garrison/DPW/environmental/prevention-and-compliance/water)
- 3. Measurable goal(s): **Evaluate, and if necessary, modify the existing regulatory mechanisms annually.**
- 4. Documentation to be submitted with each annual report: **If the regulatory mechanisms have been revised, the updated version 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's IDDE regulatory mechanisms.**

B. BMP #2

1. BMP Title: **Outfall Map and Inventory**
2. Description of BMP: **The installation has developed an inventory and ArcGIS for the tracking of MS4 outfalls. The inventory and ArcGIS is updated throughout the year following field assessments of the stormwater collection system.**
3. Measurable goal(s): **The MS4 Outfall Inventory and ArcGIS will be updated annually.**
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 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the installation's outfall map and inventory.**

C. **BMP #3**

1. BMP Title: **Illicit Discharge Detection and Elimination (IDDE) Plan**
2. Description of BMP: **The installation has developed an IDDE Plan to detect and address non-stormwater discharges to the MS4. The plan requires dry weather screening inspections of the MS4 outfalls. If a potential illicit discharge is discovered during dry weather screening inspections, a source is determined by following the IDDE Plan. If an illicit connection is discovered, the installation will fix the problem.**
3. Measurable goal(s): **At a minimum, inspect 1 sub-basin of the MS4 outfalls annually, with 100% of the outfalls inspected within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **The inspection reports and a spreadsheet 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the Installation's IDDE Plan.**

D. BMP #4

1. BMP Title: Illicit Discharge Detection and Elimination (IDDE) Education
2. Description of BMP: The installation will educate the base community about the hazards of illicit discharges. There will be two main educational tools: 1. Hang stormwater educational posters throughout the installation and 2. Distribute stormwater flyers during the CCR distribution event.
3. Measurable goal(s): 1. Hang 10 stormwater poster annually. 2. Distribute 200 stormwater flyers annually.
4. Documentation to be submitted with each annual report: A spreadsheet with photo documentation of the posters hung and the stormwater flyer which was distributed throughout the reporting period, along with a table depicting how many flyers were distributed 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: Stormwater Program Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP was chosen because it can be an effective and economical way to evaluate the Installation's IDDE education.

E. BMP #5

1. BMP Title: Illicit Discharge Detection and Elimination (IDDE) Complaint Response
2. Description of BMP: IDDE complaints are reported to the Installation's 911 operator, who contacts the Environmental Division. Environmental Division personnel respond and investigate immediately, following the IDDE Complaint Response SOP. All complaints will be tracked in the IDDE Complaint Log.
3. Measurable goal(s): Respond to 100% of reported illicit discharge complaints within 24 hours.
4. Documentation to be submitted with each annual report: The installation will submit a copy of the complaint log and Memorandums for Record of Illicit Discharge Detection and Elimination with corrective actions implemented 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: Stormwater Program Manager
7. Rationale for choosing BMP and setting measurable goal(s): This BMP was chosen because it can be an effective and economical way to evaluate the Installation's public concerns about stormwater quality.

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: **The installation has developed legal authority for the regulation of erosion and sediment controls through the FSGA/HAAF Stormwater Guidance for Construction Site Runoff Control and the FSGA/HAAF Enforcement Procedures for Erosion and Sedimentation Violations. These documents and other FSGA/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**
[**https://home.army.mil/stewart/about/Garrison/DPW/environmental/prevention-and-compliance/water**](https://home.army.mil/stewart/about/Garrison/DPW/environmental/prevention-and-compliance/water)

3. Measurable goal(s): **Evaluate, and if necessary, modify the existing regulatory mechanisms annually.**
4. Documentation to be submitted with each annual report: **If the regulatory mechanisms have been revised, the updated version 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's regulatory mechanism.**

B. BMP #2

1. BMP Title: Site Plan Review Procedures
2. Description of BMP: All projects design plans are reviewed by the Stormwater Program Manager to ensure that the regulatory mechanisms are adhered to. The Installation also has a partnership with the Natural Resources Conservation Service (NRCS), which serves as technical oversight for all construction projects that requires permitting and performs monthly site visits. When the Stormwater Program Manager determines that a project will include land disturbance of 0.75 acres or more, the Erosion Sediment Pollution Control Plans (ESPCP) is emailed to NRCS for review and approval.
3. Measurable goal(s): 100% of the project design plans will be reviewed.
4. Documentation to be submitted with each annual report: The site plan review spreadsheet will be submitted with the annual report. The spreadsheet will include a list of the site plans reviewed and the number of site plans reviewed.
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: Stormwater Program Manager and NRCS
7. Rationale for choosing BMP and setting measurable goal(s): This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's construction site plan review procedure.

C. **BMP #3**

1. BMP Title: **Inspection Program**
2. Description of BMP: **The installation will inspect all permitted construction sites monthly to ensure compliance utilizing the inspection checklist.**
3. Measurable goal(s): **All permitted construction sites will be inspected monthly.**
4. Documentation to be submitted with each annual report: **The E&S inspections and an E&S tracking spreadsheet will be submitted with the annual report. The spreadsheet will include a list of active construction sites and any inspections conducted 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's inspection program.**

D. BMP #4

1. BMP Title: **Enforcement Procedures**
2. Description of BMP: **Upon completion of the E&S compliance inspections, all inspection reports are submitted via email noting any deficiencies. The emails are sent to all project managers, Engineering Division staff, Environmental Division staff, and NRCS technical oversight. All issues of noncompliance are followed up until the violation(s) are resolved.**
3. Measurable goal(s): **100% of non-compliance issues discovered during the E&S 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: **The enforcement actions spreadsheet will be submitted with the annual report. The spreadsheet will include the number, type, and status of each enforcement action.**
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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's enforcement procedure.**

E. **BMP #5**

1. BMP Title: **Construction Activities Complaint Response**
2. Description of BMP: **Construction activity complaints are reported to the Installation's 911 operator, who contacts the Environmental Division. Environmental Division personnel respond and investigate immediately, following the IDDE Complaint Response SOP. All complaints will be tracked in the IDDE Complaint Log.**
3. Measurable goal(s): **Respond to 100% of reported construction activity complaints within 24 hours.**
4. Documentation to be submitted with each annual report: **The construction complaint log and Memorandums for Record of Construction Complaints will be submitted with the annual report. The complaint log will include the complaint receipt date, nature of the complaint, the date of investigation, corrective action, and status.**
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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's public concerns about stormwater quality.**

F. **BMP #6**

1. BMP Title: **E&S Certifications**
2. Description of BMP: **The installation requires all Stormwater Program staff obtain and maintain the Georgia Soil and Water Conservation Commission (GSWCC) E&S Level 1B and Level II certifications. During the monthly E&S inspection, inspectors confirm that all facility staff involved with construction activities subject to the Construction General Permits are trained and certified in accordance with the rules adopted by the GSWCC.**
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: **Copies of the certification cards held by DPW Environmental Program personnel 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's E&S certifications.**

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**
3. Description of BMP: **The installation has developed legal authority for the regulation of post-construction stormwater management through DPW Policy Letter #10 - Dry Detention Basins, DPW Policy Letter #11 - Stormwater Management Program, and FSGA/HAAF Post Construction Stormwater Management Guidance for New Development and Redevelopment. These documents and other FSGA/HAAF Stormwater Program plans and documents are available on the Environmental Division web link:**
<https://home.army.mil/stewart/about/Garrison/DPW/environmental/prevention-and-compliance/water>
3. Measurable goal(s): **Evaluate, and if necessary, modify the existing regulatory mechanisms annually.**
4. Documentation to be submitted with each annual report: **If the regulatory mechanisms have been revised, the updated version will be submitted.**
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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's regulatory mechanism.**

B. BMP #2

1. BMP Title: **Post-Construction BMP Inventory**
2. Description of BMP: **The installation has developed an inventory of post-construction BMPs. The inventory is updated throughout the year following field assessments of the post-construction BMPs.**
3. Measurable goal(s): **The post-construction BMP inventory and will be updated annually.**
4. Documentation to be submitted with each annual report: **An updated inventory, including any post-construction BMPs added during the reporting period, 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's post-construction BMP inventory.**

C. **BMP #3**

1. BMP Title: **Post-Construction BMP Inspection Program**
2. Description of BMP: **The installation will inspect all post-construction BMPs utilizing the inspection checklist.**
3. Measurable goal(s): **At a minimum, inspect 5% of the post-construction BMPs annually, with 100% inspected within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **The inspection reports 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with The Installation's post-construction BMP inspection program.**

D. **BMP #4**

1. BMP Title: **Post-Construction BMP Maintenance Program**
2. Description of BMP: **Upon the completion of the post-construction BMPs inspection, DPW Environmental personnel will submit a service order to the DPW Operations & Maintenance contractor to correct any deficiencies. Follow up inspections will be performed within 90 days to ensure the required maintenance has been completed.**
3. Measurable goal(s): **Maintenance will be conducted on structures as needed.**
4. Documentation to be submitted with each annual report: **The Post-Construction BMP follow up inspection reports and the service order tracking spreadsheet will be submitted with the annual report. The spreadsheet will include a list of structures maintained and the maintenance performed.**
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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's post-construction BMP maintenance program.**

E. **BMP #5**

1. BMP Title: **GI/LID Structure Inventory**
2. Description of BMP: **The installation has developed an inventory of GI/LID structures. The inventory is updated throughout the year following field assessments of the GI/LID structures.**
3. Measurable goal(s): **The GI/LID structure inventory will be updated annually.**
4. Documentation to be submitted with each annual report: **An updated inventory, including any GI/LID structures added during the reporting period, 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's GI/LID structure inventory.**

F. BMP #6

1. BMP Title: **GI/LID Structure Inspection Program**
2. Description of BMP: **The installation will inspect all GI/LID structures utilizing the inspection checklist.**
3. Measurable goal(s): **At a minimum, inspect 5% of the GI/LID structures annually, with 100% inspected within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **The GI/LID structure inspection reports 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's GI/LID structure inspection program.**

G. BMP #7

1. BMP Title: **GI/LID Structure Maintenance Program**
2. Description of BMP: **Upon the completion of the GI/LID structure inspections, DPW Environmental personnel will submit a service order to the DPW Operations & Maintenance contractor to correct any deficiencies. Follow up inspections will be performed within 90 days to ensure the required maintenance has been completed.**
3. Measurable goal(s): **Maintenance will be conducted on structures as needed.**
4. Documentation to be submitted with each annual report: **The GI/LID structure follow up inspection reports and the service order tracking spreadsheet 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's GI/LID structure maintenance program.**

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 Structure Inventory and Map**
2. Description of BMP: **The installation has developed an inventory and ArcGIS for the tracking of the MS4 structures. The inventory and ArcGIS are updated throughout the year following field assessments of the MS4 structures.**
3. Measurable goal(s): **The MS4 structure inventory and ArcGIS will be updated annually.**
4. Documentation to be submitted with each annual report: **An updated inventory and map, showing any MS4 structures added during the reporting period and the total number of structures, 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's MS4 Structures Inventory and Map.**

B. BMP #2

1. BMP Title: **MS4 Structure Inspection Program**
2. Description of BMP: **The installation will inspect all MS4 structures utilizing the inspection checklist.**
3. Measurable goal(s): **At a minimum, inspect 1 sub-basin of the MS4 Structures annually, with 100% inspected within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **The MS4 Structure inspection reports 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's MS4 Structure Inspection Program.**

C. **BMP #3**

1. BMP Title: **MS4 Structure Maintenance Program**
2. Description of BMP: **Upon the completion of the MS4 Structure inspections, DPW Environmental personnel will submit a service order to the DPW Operations & Maintenance contractor to correct any deficiencies. Follow up inspections will be performed within 90 days to ensure the required maintenance has been completed.**
3. Measurable goal(s): **Maintenance will be conducted on structures as needed.**
4. Documentation to be submitted with each annual report: **The MS4 Structure follow up inspection reports and the service order tracking spreadsheet will be submitted with the annual report. The spreadsheet will include the number of each type of structure maintained.**
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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's MS4 Structure Maintenance Program.**

D. **BMP #4**

1. BMP Title: **Street and Parking Lot Cleaning**
2. Description of BMP: **Street sweepers, operated by the DPW Operations & Maintenance contractor, are utilized throughout the MS4 area to eliminate/reduce pollutants from entering the stormwater collection system. All waste removed by the street sweepers is disposed of in the landfill, along with all other waste removed from the MS4. Due to limited resources, the street sweepers are used on an as needed basis.**
3. Measurable goal(s): **At a minimum, the Installation will sweep 1 mile of street during the year.**
4. Documentation to be submitted with each annual report: **The street sweeper mileage spreadsheet 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate compliance with the Installation's street sweeping program.**

E. **BMP #5**

1. BMP Title: **Employee Training**
2. Description of BMP: **Personnel from the Stormwater Program will conduct stormwater education during the ECO/ECNCO Training Course on the proper handling, storage, and disposal of hazardous materials and stormwater program requirements for industrial, construction, and MS4 activities.**
3. Measurable goal(s): **The ECO/ECNCO Training Course will be provided at a minimum 3 times annually.**
4. Documentation to be submitted with each annual report: **The attendance rosters 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the Installation's employee training program.**

F. **BMP #6**

1. BMP Title: **Waste Disposal**
2. Description of BMP: **All waste removed during the MS4 stormwater collection system maintenance and street sweeping is disposed of in the landfill.**
3. Measurable goal(s): **All waste will be disposed of in the landfill.**
4. Documentation to be submitted with each annual report: **The waste disposal tracking spreadsheet 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the Installation's waste disposal procedure.**

G. BMP #7

1. BMP Title: **New Flood Management Projects**
2. Description of BMP: **To ensure that construction project are assessed for water quality impacts, all project design plans are reviewed by the Stormwater Program Manager to ensure compliance with Section 438 of the Energy Independence and Security Act (EISA) and the Georgia Stormwater Management Manual.**
3. Measurable goal(s): **100% of project design plans will be reviewed.**
4. Documentation to be submitted with each annual report: **The NEPA Review spreadsheet will be submitted with the annual report. The spreadsheet will include a list of the site plans reviewed and the number of site plans reviewed.**
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: **Stormwater Program Manager and NRCS**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the installation's new flood management projects.**

H. **BMP #8**

1. BMP Title: **Existing Pollution Prevention Flood Management Projects**
2. Description of BMP: **In 2011 and 2012 DPW Environmental 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, at a minimum, 1 post construction BMP will be retrofitted annually.**
4. Documentation to be submitted with each annual report: **A summary of any assessment and post-construction BMP retrofit projects performed during the reporting period 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: **Director of Public Works**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the Installation's existing flood management projects.**

I. **BMP #9**

1. BMP Title: **Municipal-Type Facilities**
2. Description of BMP: **The installation has developed an inventory of municipal-type facilities and will inspect all municipal-type facilities utilizing the inspection checklist.**
3. Measurable goal(s): **At a minimum, update the inventory and inspect 5% of the municipal-type facilities annually, with 100% inspected within the 5 year permit cycle.**
4. Documentation to be submitted with each annual report: **The municipal-type facilities inventory spreadsheet and inspection reports 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: **Stormwater Program Manager**
7. Rationale for choosing BMP and setting measurable goal(s): **This BMP was chosen because it can be an effective and economical way to evaluate the Installation's municipal-type facilities.**

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, 2025.

Final completion date/date of submittal to EPD: **30 April 2020. The plan was updated on 06 July 2022 and submitted with the 2022 Annual Report.**