



STORM WATER MANAGEMENT PLAN

BARKSDALE AIR FORCE BASE

AGENCY INTEREST NO. 9028

June 2024

This Plan is required for compliance with Louisiana General Permit for Discharges from Small Municipal Separate Storm Sewer Systems, Master General Permit No. LAR040000, effective November 20, 2023

Storm Water Management Plan

Note: The formatting of this plan, e.g. Part I.D., will correspond exactly to the formatting of the General Permit No. LAR040000

Barksdale Air Force Base, Louisiana
334 Davis Ave. W., Suite 208
Barksdale, Louisiana 71110
Agency Interest No.: 9028

Designated POC: Environmental Program Manager
2 CES/CEIEC
318-456-2770

Management Certification

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 gather and evaluate the information submitted. Based on 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.

Signature: _____

Name: Matthew Stroupe

Title: Environmental Element Chief

Date: 27 June 2024

Part I Coverage Under this Permit

A. Permit Area. Barksdale AFB is part of the Shreveport Urban Area and, thus, designated a regulated small municipal storm sewer system. An initial NOI that was received by the Office of Environmental Services on 7 March 2003.

B. Eligibility.

1. Storm water discharges from BAFB are authorized by General Permit LAR040000.
 - (a) BAFB is required to obtain this coverage because it is within an Urbanized Area and serves a population between 10,000 and 50,000 people.

C. Allowable Non-Storm Water Discharges. The list of allowable non-storm water discharges from this section of the General Permit is incorporated by reference and those discharges will be allowed on BAFB. De-icing is allowed if required to fulfill the Base mission. Dirt may be rinsed from equipment to prevent offsite tracking, but it is done so that muddy rinse water does not directly enter storm system. Hydrostatic testing is covered by a separate permit when required. Charity car washes are not allowed.

D. Limitation on Coverage.

1. BAFB has an individual LPDES permit (LA0007293) for stormwater discharges associated with the industrial activity.
2. Discharges of spilled materials are not permitted. The response to spills and reporting requirements for the Base are fully addressed in the Storm Water Pollution Prevention Plan, Spill Prevention Containment and Countermeasures, and Facility Response Plans which are available in the 2 CES/CEIE Office.
3. The Base will not knowingly discharge storm water that has an adverse impact on endangered or threatened species, or critical habitat.
4. The Base will not knowingly discharge storm water that has an adverse impact on properties listed or eligible for listing in the National Register of Historic Places.
5. See section III.B for a discussion on TMDLs.
6. See section III.B for a discussion on TMDLs.

E. BAFB Responsibilities

1.
 - a. BAFB is responsible for General Permit (LAR040000) compliance.
 - b. This Storm Water Management Plan (SWMP) develops and implements measurable goals for Best Management Practices (BMPs). They can be found in Part IV.D.1-6. Additional measurable goals assigned specifically to Hunt Privatized Housing at Barksdale are contained in Appendix A of this plan.
 - c. Reporting requirements of the General Permit (LAR040000) are discussed in Part V.C and the Storm Water Program Manager is responsible for preparing the reports.
 - d. Presently, there are no sampling requirements for BAFB associated with the General Permit (LAR040000). Required storm water sampling for BAFB is set

forth in the individual permit (LA0007293). The storm water program manager oversees this sampling.

e. n/a

2. n/a

3. It is unlikely that there will be a transfer of ownership of this MS4. However, if a new area, e.g. an additional housing development is added, BAFB will implement this SWMP in the new area within 3 years.

F. Obtaining Authorization

1. BAFB submitted the original NOI (Form MS4-G) in February 2003. A revised NOI was submitted for the new general permit, effective 20 November 2023. A copy of the SWMP is included in the NOI submittal for the general permit effective 27 June 2024.

2. n/a

3. LDEQ will make the NOI and SWMP available to the public and BAFB will pay the costs of publication.

4. BAFB understands there may be additional enforceable terms included upon authorization to discharge under this general permit.

5. BAFB understands the State will issue written authorization.

6. MS4 Permittees are listed in the Water Permits Division activity report. NOIs and associated documents are listed in the EDMS.

Part II Notice of Intent (NOI) Requirements

A. BAFB submitted a completed and original NOI (Form MS4-G) in February 2003. LDEQ notified BAFB of the need for a new NOI and revised SWMP in a letter that was received 14 April 2024.

B. A complete NOI is on file. B.1-7,9 are found in pp. 1-4 of MS4-G. B.8 is an attached map. See appendix A. B.10. DMRs required by LPDES Permit LA0007293 are on file and dry weather discharge visual inspections are available from 2CES/CEIE and incorporated by reference. B.11 is provided in the included SWMP.

C. The NOI was submitted to the LDEQ as follows:
Louisiana Department of Environmental Quality
Office of Environmental Services
PO Box 4313
Baton Rouge, LA 70821-4313
Attn: Water Permits Division

Part III Special Conditions

A. The Base will not knowingly discharge pollutants and cause or contribute to a violation of a water quality standard. The SWMP establishes BMPs in the six

minimum control measures section to minimize the discharge of pollutants to the storm water system.

- B. The LDEQ list of 303d impaired waters is available on-line. As of the publication of the 2022 Louisiana Water Quality Integrated Report (IR), published 19 August 2022, BAFB has no pollutants causing impairment attributable and does not have any load allocations. Stormwater runoff does flow into two subsegments (100402 & 100406) listed in the IR, but BAFB does not have any of the suspected sources of impairment listed in the current IR causing the impairments. All the suspected sources listed in the 2022 IR, does not state the suspected source(s) are attributed to a MS4 or any additional sources listed in the Permit.

C. Releases in Excess of Reportable Quantity (RQ)

1. BAFB will report to the **State Police Haz Mat Hotline (225-925-6595)** any discharge **which causes an emergency** within **ONE HOUR** of learning of the discharge. Any amount which causes an emergency shall be reported.

A written follow-up report of the discharge shall be sent within SEVEN DAYS to LDEQ, Attn: Surveillance Division SPOC, Unauthorized Discharge Notification Report, PO Box 4312, Baton Rouge, LA 70821-4312. The information required in Part III C. 1. a. through p. of the general permit will be included.

2. As required by LAC 33:I. 3917, if there is an RQ discharge that **does not cause an emergency**, BAFB will report to the LDEQ, Surveillance Division, Single Point of Contact within **24 hours** after learning of the discharge. Notification will be made by (1) using the Online Incident Reporting procedures at www.deq.louisiana.gov/portal/tabid/279/Default.aspx, or (2) email to spillcomplaint@deq.state.la.us, or (3) calling LDEQ-SPOC at 225-342-1234.

Written follow-up will be sent to LDEQ, Environmental Compliance, Surveillance Division by fax to 225-219-4044 or 3695 or mailed to PO Box 4312, Baton Rouge, LA 70821-4312.

3. The requirement to modify the BAFB SWM Plan within 14 calendar days to include a description, circumstances, and date of the discharge will be met by the incorporation by reference of the CEIE Spill and Prep Binders. If management practices can be changed to prevent a recurrence, then the SWM Plan will be modified.

- D. The LPDES MS4 Permit does not authorize BAFB to discharge hazardous substances or oil.

Part IV Storm Water Management Programs

- A. The original BAFB SWM Plan was completed 2 February 2003, and in effect at that date.

The base storm water management program will be reviewed as necessary to maintain compliance with LAC 33: IX.2523 and Section 402(p)(3)(B) of the Clean Water Act. Updates to the SWM Plan, if necessary, will follow the reviews.

- B.** BAFB is not a co-permittee. The minimum control measures specified in Part C below are the responsibility of the BAFB Storm Water Program Manager.
- C.** BAFB will enforce minimum control measures and control the discharge of pollutants using contractual language, Air Force Instructions, departmental policy letters, and residential lease agreements.
- D.** Minimum Control Measures will be selected to minimize the pollutants in the storm water runoff. For each measure, 1. the “how and why” of the selection will be provided as well as, 2. BMPs for that control measure, 3. measurable goals for each BMP, 4. the persons responsible for implementing or coordinating the BMPs. See also Appendix A to this plan.

1. The Public Education and Outreach on Storm Water Impact.

BMPs	Measurable Goals	POC	Implementation /Additional Info
Education/outreach for industrial activities	Each squadron will have at least one Environmental Rep trained in pollution prevention.	Bill Lee 2CES/CEIE 318-456-5273	Fully implemented.
Use base media and web sites for storm water pollution prevention info	eDASH web page site with specific training is available and reviewed annually.	Cathy Yi 2CES/CEIE 318-395-6689	Fully implemented.
Shop Inspections	Each shop with the potential to release pollutants will be inspected annually.	Env.Prog.Mgrs. 2CES/CEIE 318-456-5273	Fully implemented.

- a. (i) BAFB distributes educational material through the computer-based Environmental, Safety, Occupational, Health Training Network (ESOHTN), eDASH site, Environmental Rep training, shop visits and briefings, and BAFB media outlets. ESOH Everyday will perform shop inspections and record findings in the Finding Tracker Tool.

- (ii) Education/outreach for industrial activities will be measured by the percent of Environmental Reps who have completed the training. Our measurable goal is to have 100% of Environmental Reps complete training annually.
- The use of base media and web sites for storm water pollution prevention information will be measured by the availability of current pollution prevention plans on eDASH and the occurrence of pollution prevention media occurrences (via Base Paper, Roll Call, public Environmental webpage, and other base population media outlets). Our measurable goal is to have all pollution prevention plans available on eDASH and to have at least four media appearances every year.

Shop inspections will be measured by recording inspections in the Environmental Inspection Process (EIP). Our measurable goal is to visit every shop with an industrial process (and therefore, potential to pollute storm water) on BAFB annually on a rolling basis. Tracking inspections in the Finding Tracker Database will allow the Storm Water Program Manager to track trends in pollution prevention.

- (iii) Personnel will be trained through computer-based modules, shop visits and briefings, classroom and one-on-one training, and BAFB media outlets.
- (iv) Special programs and opportunities for storm water pollution prevention involvement can be announced through the base paper, e-bulletins, the public Environmental webpage, and links on eDASH. For example, a link to a local river cleanup organization may be made available through any of these outlets. An example of this is when the Natural Resources section organizes a litter pickup campaign. Standard training and outreach opportunities are encouraged to be passed on from the squadron Environmental Reps to shop personnel.
- (v) The target audience for the education is comprised of individuals that handle products that could result in illicit discharges and storm water pollution if improperly managed.
- (vi) The target pollutant sources of the education program are facility maintenance processes, fueling operations, and hazardous materials management.
- (vii) BAFB outreach is through the Base Bulletin, Base electronic signs, email, eDASH, Roll Call, and environmental program managers shop visits. Also, eDASH is available to all Department of Defense (DoD) Air Force installations, and Roll Call and Base Bulletins are available to all on BAFB. More than 200 individuals alone will receive

environmental training, and these individuals are encouraged to educate their shops.

- (viii) The Pollution Prevention and Storm Water sections of the Civil Engineer Squadron are responsible for the education programs.
- (ix) The success of the education and outreach program will be tracked by the EMS. Environmental Reps see that personnel in their units are trained. Tracking the number of trained individuals is an important measurable goal to ensure that training is accomplished.

The use of base media and web sites for storm water pollution prevention information will be measured by the availability and production of current training and educational materials through base media outlets.

Shop inspections will be measured in a database.

This BMP will be successful if educational materials are kept current and outreach occurs at least once a year, the number of individuals trained is constant or increases, and shop/site visits occur regularly. This BMP will be successful if the number or severity of violations does not increase.

- (x) Information is provided using a mix of strategies. See vii above.

2. Public Involvement/Participation.

BMPs	Measurable Goals	POC	Implementation /Additional Info
Recycle	Meet the AF diversion standard.	Paul Black 2CES/CEIE 318-456-5293	Fully implemented.
Housing lease requires trash management and limits on-site vehicle repairs	Complaints to Public Affairs will result in an AF Form 39 and investigation/resolution.	2BW/PA 318-456-1015	Fully implemented.
Arbor Day	Tree(s) are planted annually.	Ronald Kay 2CES/CEIEC 318-456-2770	Fully implemented.
Earth Day	At least 1 school class, or military personnel & family members, participates in Earth Day on Base. Booths are setup at the Base BX with environmental education literature and trees or plants are given	Ronald Kay 2CES/CEIE 318-456-2770	Fully implemented.

	to Base personnel and civilians.		
--	----------------------------------	--	--

a.(i) Public involvement/participation programs will conform to Air Force Instructions and Commander Policy letters.

(ii) Military and civilian workers are required to recycle. Recycling materials reduce the chance that these items become pollutants. CEIE tracks the amount of material that is recycled. The measurable goal for this minimum control measure will be the turn-in weights of recycled material.

Barksdale Family Housing, managed by Hunt Military Communities, has a web site for residents. The Resident Guidelines requires trash and refuse to be picked up in a timely manner to keep “creeks, lakes...kept clear at all times of trash, refuse.” Additionally, “repair of motor vehicles (including oil changes), is expressly prohibited anywhere in the community.) Pet waste must be picked up daily from yards and whenever the pet is walked. These measures help to minimize pollutants in storm water runoff from the residential areas. AF Form 39 will be used to record complaints which must be investigated and resolved.

In AFI 32-7064, Integrated Natural Resources Management, Chapter 17, paragraph 2, 2CES/CEIEC is tasked with a public awareness and involvement program to involve the public in environmental awareness which includes participation in Earth Day and Arbor Day. This Air Force Directive is satisfied, in part, by having area youth tour the base to increase environmental awareness through presentations by CEI. The measurable goal for this minimum control measure will be an annual exposure of at least one school class of students to environmental awareness when funding is available. If a School Class can't participate during Earth Day, military personnel and family members will participate at the Earth Day with booths setup at the BX with environmental education material and displays. The measurable goal for Arbor Day will be the planting of some trees, when funding is available, and an article in the BAFB Base web media.

(iii) As a military installation, the Base has a unique “public.” The development of the NOI and SWMP had input from all PMs in the Environmental Flight, the Natural Resources Office, and the Housing PM.

(iv) See (iii) above.

(v) Resident Guidelines are targeted to the base housing sector. The recycling program is targeted for all people with base access. Earth and Arbor Day activities are targeted to youth and adults.

(vi) See table this section. Also, the base populace can recycle, plant trees, and clean their neighborhood.

(vii) The Storm Water PM has the overall responsibility for the Public Involvement/Participation of the SWMP. Other 2CES/CEIE PMs, and the Housing PM will have significant contributions.

(viii) The measurable goals can be assessed. The goals align with Air Force standards and will contribute to better water quality.

b. Not required.

3. Illicit Discharge Detection and Elimination

BMPs	Measurable Goals	POC	Implementation /Additional Info
Identify illicit connections	Comply with AFI 32-1067	Michael Scott 2CES/CEIOU 318-456-8920	Fully implemented.
Monitor industrial connections	Submit accurate quarterly DMRs.	Ronald Kay 2CES/CEIE 318-456-2770	Fully implemented. Net DMR used.
Recycle	Meet the AF diversion standard	Paul Black 2CES/CEIE 318-456-5293	Fully implemented.

a.(i) AFMAN 32-1067 requires Air Force Installations to survey the facility water systems every five years to identify cross-connections, inventory existing backflow prevention assemblies, and recommend corrective actions. The most recent cross-connection survey was completed by Hydro Corp, 12 May 2023. That document is available from 2CES/CEIE and is incorporated by reference. The cross-connection survey is no longer under the Environmental Flight's oversight, as it is under the management of the Engineering Ops Flight.

The Central Accumulation Point (CAP) staff samples outfalls associated with industrial activity as required by the Base LPDES Permit No. LA0007293. The Base Stormwater Program Manager and reports

laboratory analysis through quarterly Discharge Monitoring Reports. This program is designed to detect illicit discharges. The program manager, also, does an annual dry weather discharge detection. The Storage Tank Program manager performs an annual inspection along with monthly inspections by fuels facility managers.

(ii) BAFB maintains both sanitary and storm sewer maps in the ArcGIS or similar system. Storm drains, inlets, and outfalls are shown and can be highlighted for special coverages.

(iii) Base policy is set forth through many environmental plans: Hazardous Waste Management Plan, Storm Water Pollution Prevention Plan, Spill Prevention Containment and Countermeasures Plan, and Solid Waste Management Plan, and other Air Force Policy documents. Compliance with these plans is mandatory.

(iv) See item 3.a.(i) above. In addition, the many other training and refresher requirements of the Air Force Policy manual which is incorporated by reference are adequate to detect and address non-storm water discharges.

(v) The Base has fully implemented hazardous waste disposal, solid waste management, and recycling programs. Program managers attend new personnel briefings, Haz waste training, facility manager training, AF required inspections, and other venues to educate the BAFB public about illegal discharges and improper disposal.

(vi) Base residents may water their lawns, wash personal cars, empty kiddie pools, and other activities similar to off-base residents. These activities are not significant contributors of pollutants. Facility maintenance personnel may flush water lines, wash the outside of buildings with water only, and other activities similar to off-base residents. These activities are not significant contributors of pollutants.

Firefighting training takes place at a designated facility and only water is allowed for training.

Pumped uncontaminated ground water, air conditioning condensate, and similar discharges occur, but are not significant contributors of pollutants.

(vii) Currently, charity car washes are not allowed. If these become an approved activity, the SWM Plan will be amended.

(viii) The BMPs in the table in this section were selected because these activities and discharges, if not properly managed, could result in a negative effect on water quality. Fully successful implementation would

be achieved by completely meeting all goals. A successful implementation may have some unmet goals at some occasions, but not on a consistent basis.

(ix) All outfalls discharging to Macks, and most discharging to Cooper's Bayous are inspected during an annual dry weather discharge. LPDES permitted outfalls are sampled and inspected as required by the LPDES Permit No. LA0007293.

AF Instructions require 2CES/CEOI, Base Infrastructure, to investigate and repair system breaks that could result in an illicit discharge

b.(i) A BMP for illicit discharge detection is the development of a storm sewer map and sanitary sewer map for the base. Originally, the system was surveyed and hand-drawn. Now, maps are made from digitized photos and as-builts. 2 CES/CEPG is tasked with keeping maps updated. The measurable goal will be the availability of maps or plans to indicate storm and sanitary sewer system lines.

(ii) Compliance with federal, state, and local regulations is a requirement of the Base Environmental Management System Policy/Commitment letter signed by the wing commander.

The EMS policy is posted on the 2CES/CEIE Sharepoint where it can be viewed by anyone with access to the BAFB system. It is also posted to the BAFB public website at <https://www.barksdale.af.mil> and is included in the contractor's guide which is provided to contractors with projects on the base.

Additionally, each AFI has this statement "**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY.**" Compliance is verified through the Environmental Management System.

(iii) The military has a robust inspection schedule. The BAFB Environmental Flight has an Environmental Safety Occupational and Health (ESOH) inspection tailored to ensure, to the greatest extent possible, that shops, personnel, and the base residents adhere to environmental protection policies. 2CES/CEIE inspects every industrial shop at least annually. The storm water PM inspects shops, the water bodies and housing areas where discharge occur at least annually, following any complaints, and as needed to meet LPDES LA0007293 outfall sampling requirements.

(iv) The base has an individual industrial storm water permit. Outfalls are sampled monthly, quarterly, or semi-annually for pollutants associated with activities within the drainage basins. Outfalls that are not sampled are

monitored in the annual dry weather discharge survey. There are no sewage disposal systems that flow into the storm drainage system.

(a). AFI 32-1067 requires Air Force Installations to survey the facility water systems every five years to identify cross-connections, inventory existing backflow prevention assemblies, and recommend corrective actions.

The Installation Management Program for the base is used to develop projects for improvement and repair of the sanitary sewer based on criticality and age.

(b). A combination of mapping and general utility system knowledge would be used to determine the source of an illicit discharge.

(c). 2CE personnel would submit a project to correct the source of the illicit discharge.

(d). 2CE engineers, the sanitary sewer compliance manager, and the utilities program manager work together to assess and maintain the sanitary sewer system and prevent illegal discharges to the storm system. The 2CE storm water compliance manager is tasked with sampling and monitoring of the storm water discharges and will have sources of pollution corrected.

(e) The storm water PM would file, with the State, a written follow-up within 7 days of a reportable release. These records are available from 2CES/CEIE, and incorporated by reference.

(v) Barksdale personnel are mandated to comply with AFIs/AFMANs. AFMAN 32-1067 Water Quality Compliance, AFMAN 32-7002 Solid and Hazardous Waste Compliance, and AFI 32-7001 Environmental, Safety, Occupational Health Compliance Assessment are sufficient to inform Base personnel about the hazards of illegal discharges and improper disposal of waste. Further, the Environmental flight informs the Environmental Reps or SAP Monitors of shops with industrial processes or hazards associated with improper disposal of waste and illegal discharges. They are informed through regular training, briefings, and site visits.

The BMP of compliance with AFIs/AFMANs above will be measured by tracking reportable illegal discharges to the storm water system. The goal will be to achieve zero reasonably preventable illegal discharges.

(vi) The Civil Engineer Squadron Commander is responsible for the overall management and implementation of the storm water illicit discharge detection and elimination program. For specific BMP POCs, see table in this section.

For Barksdale AFB, a successful illicit discharge detection program will have current sanitary and storm sewer maps, and compliance with AFIs/AFMANs that minimize illegal dumping, mismanagement of waste, and maximize proper material handling. The measurable goals will be the availability of the system maps and no reasonably preventable reportable releases. These goals were selected because the two BMPs are key to an illicit discharge prevention program.

c. (1) Program managers frequently use EPA storm water materials when hosting Earth Day or New Comers Briefing.

4. BMPs and Measurable Goals for Construction Site Storm Water Runoff

BMPs	Measurable Goals	POC	Implementation /Additional Info
Contractors will develop SWPPP	Contractor will have SWPPP on site.	Ronald Kay 2CES/CEIE 318-456-2770	Fully implemented.
Sites will not allow stored materials to become pollutants that result in a reportable discharge	There will be no work/payment stoppages due to contractor improperly storing site materials.	Engineering QAs Reporting to Eric Tillstrom 2CES/CEN 318-456-2095	Fully implemented.
Contractor will use, as required, BMPs to prevent polluted storm water runoff	SWPPP will have BMPs indicated in plan	Ronald Kay 2CES/CEIE 318-456-2770	Fully implemented.

a.(i) The BAFB SWMP construction BMPs will serve to meet the intent of 40 CFR Part 450 and “result in significant reductions in the discharge of sediment...”

(ii)(a) The Contracting Squadron, in writing, requires construction operators of sites equal to or greater than 1 acre and less than 5 acres of disturbance to comply with LAR200000. Construction operators for sites of 5 acres or more are required to comply with LAR100000. Sites smaller than 1 acre are covered by the Base SWPPP and this SWMP.

At preconstruction meetings, contractors are briefed on and receive a copy of the “Environmental Requirements for Contractors working on

Barksdale Air Force Base.” A copy of the document is attached to all issued contracts.

(b) For any size of construction site, there is existing state permit language to require erosion and sediment control BMPs. Some of these are (as appropriate): inspection, construction entrances, pre-construction conference, site waste management, riprap, silt fence, sodding, soil retention, spill plans, and storm drain inlet protections. If base inspectors report inadequate storm water protection and the contractor fails to adequately correct them, the Contracting Officer may issue a Stop Work Order.

(c) The handout, “Environmental Requirements for Contractors working on Barksdale Air Force Base” contains specific instructions for solid and hazardous waste control. Compliance is a contract requirement.

Also, inspectors for the Civil Engineer Squadron have been trained to visually monitor for non-storm water discharges and site management practices that may lead to non-storm water discharges.

(d) All construction projects on base are reviewed in stages including a preconstruction review. The Environmental Flight is represented at these meetings and briefs contractors. Contractors are provided with the handout, “Environmental Requirements for Contractors Working on Barksdale Air Force Base.” At the design phase of projects, BASE civil engineers reviews plans/maps/drawings for adequacy.

(e) The public may contact 2BW/PA with complaints. These must be investigated/resolved. An Air Force Form 39 is developed.

(f) Civil Engineer Squadron inspectors report instances of noncompliance to the project management, contracting officer, and environmental compliance. Contracting can enforce compliance through the terms of the contract.

(g) At preconstruction meetings, contractors are briefed on and receive a copy of the “Environmental Requirements for Contractors working on Barksdale Air Force Base.” A copy of the document is attached to all issued contracts. The Contractors Corner on the Base’s public web page contains pollution prevention information and POCs and phone numbers.

(h) BMPs are included in project drawings. QAs require changes to BMPs if pollutants are properly managed.

iii.(a), (b) and (c) See ii (b) above.

(d) Site plans are provided to the engineering and environmental flights before a “Notice to Proceed” is issued.

(e) As noted above, 2BW/PA manages public complaints.

(f) Any site for which a complaint has been filed will get priority inspections. Also, larger sites are inspected more frequently, as are those with proximity to bayous and swales.

(g) The 2CES/CEIE Storm Water PM has the overall responsibility of this SWMP’s requirements. Where specific duties are performed, those POCs are noted in the BMPs.

iv. Successful, measurable goals are noted in the table above. They were selected because they will result in minimization of pollutants from construction sites.

5. Post-Construction Storm Water Management in New Development and Redevelopment

BMPs	Measurable Goals	POC	Implementation /Additional Info
Grassed swales, grass filter strips, rip rap.	Ground cover will be maintained.	Malcom Ferrell 2CES/CEOES 31-456-3750	Fully implemented.
BMP inspection/maintenance	Site specific construction BMPs will remain until ground cover is established.	Engineering QAs Reporting to Eric Tillstrom 2CES/CEN 318-456-2095	Fully implemented

a. (i) See table above this section.

(ii) Structural BMPs are achieved through the requirement to develop ground cover. Nonstructural BMP is the inspection that is required until ground cover is established.

(iii) Contractors in violation of the terms of the construction contract will not receive final payment until terms are met.

(iv) BAFB has a Grounds Maintenance program and Supervisor to ensure that the ground cover BMP is maintained.

(v) See (i) through ((iv) above.

(vi) The Base Commander’s EMS policy statement requires environmental compliance vigilance and continued improvement.

(vii) The Post-Construction BMPs were selected because they will have a positive effect on the reduction of sediment run-off following construction activity. These BMPs will be successful if Grounds

Maintenance PM and the Stormwater PM or contracted stormwater sampler do not find sediment runoff occurring during rain.

- b.(i) See 4.a.(ii)(a) above
- (ii) The BAFB Post-construction Storm Water Program uses personnel in the Contracting and Civil Engineer Squadrons for enforcement and oversight of post-construction site management. Development near waterbodies, or of sloped areas where discharges are more likely are inspected for adequate structural maintenance.
- (iii) Non-structural BMPs
 - (a) The base has had wetlands delineated and these are restricted areas. Development in these areas is generally not allowed. If development in a wetland is necessary, an Environmental Assessment is completed and permitting is obtained through the Army Corps of Engineers.
 - (b). The base mission restricts sites for development.
 - (c). A self-paced, on-line training program has been developed. Environmental Safety Occupational and Health (ESOH) Training provides modules that educate contractors about the need to monitor activities on construction sites to minimize the impact on storm water. Barksdale personnel are required to have ESOH Training.
 - (d) Construction contractors must follow base recycling and hazardous waste management policy. The Central Accumulation Point is available for the disposition of hazardous waste.
- (iv) Structural BMPs must be carefully managed on BAFB because of the danger which could result if structure were to create an environment that increased the bird population. Bird strikes are a serious hazard to the mission.
 - (a)-(c). Contractors are encouraged to maintain existing ground cover to the extent possible. The re-establishment of ground cover begins as soon as possible and includes temporary over seeding with winter grasses if necessary to reduce sediment discharges in storm water.
- (v) The BAFB Post-construction Storm Water Program uses personnel in the Contracting and Civil Engineer Squadrons for enforcement and oversight of post-construction site management.
- (vi) After final approval of a construction site (which includes revegetation), Barksdale will maintain ground cover.
- (vii) The Civil Engineer Squadron manages the grounds contract and is responsible for maintenance of ground covers.
- c.(i) Most stormwater educational materials are developed by the storm water PM. EPA and LDEQ materials may be used also.
- (ii) BAFB has a public site which can be accessed by contractors, neighboring residents/businesses, etc.
- (iii) The Civil Engineering squadron project managers are trained in school, CBTs, and Air Force Institute of Technology (AFIT)

programs to minimize sediment and other pollutants from being discharged from construction sites.

- (iv) Inspectors primarily use CBTs and AFIT training to stay current with training.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

BMPs	Measurable Goals	POC	Implementation /Additional Info
Proper hazardous material storage	Each shop that uses hazmat will be inspected for compliance annually.	Bill Lee 2CES/CEIE 318-456-5273	Fully implemented.
Proper materials management	Exposed materials are inspected annually.	Bill Lee 2CES/CEIE 318-456-5273	Fully implemented.
Spill response and prevention	BAFB will maintain FRP, SPCC, SWPP, and SWM Plans.	Matthew Carlson 2CES/CEIE 318-456-4286	Fully implemented.
Used Oil recycling	Shops will recycle used oil to decrease possible spills.	Paul Black 2CES/CEIE 318-456-5293	Fully implemented
Vehicle washing	Vehicles will be washed on wash racks only.	Matthew Carlson 2CES/CEIE 318-456-4286	Fully implemented.

- a.(i) through (v) Due to the quantity of petroleum products stored and used on base, Barksdale has developed SPCC and FRP Plans. These plans are incorporated in this SWM Plan by reference. The training and discharge prevention and control measures are sufficient to meet the compliance requirement of 40 CFR 112 and LAC 33.IX regarding POL management.

To meet the Air Force EMS environmental compliance goal, training is offered for all industrial shops. Construction contractors must develop SWPPPs which include training. The pollution prevention organization, 2CES/CEIEC, provides training in the handling of hazardous materials, hazardous waste and requirements to recycle through shop visits, ESOH Everyday Compliance inspections, ESOH Training as required through Executive Order 13423 Section 3(b), and Satellite Accumulation Point Manager training. The New Residents Welcome meeting includes presentations by 2CES/CEI where residents are informed about pollution prevention, recycling,

and refuse, and given contacts and phone numbers to PMs. While not static, the basics of the pollution prevention team efforts are sufficient to address good housekeeping practices to reduce and prevent to the extent possible, pollutant discharges to storm water.

The 2CES/CEI Ops flight maintains those systems such as storm water conveyances, sanitary sewer systems, fuel systems and 2CES/CEOES oversees the grounds maintenance and refuse contracts. Sufficient inspections and funds are available for these O&M requirements.

Additional good housekeeping practices are itemized in the base SWPPP, and that plan is incorporated by reference into this SWM Plan. The SWPPP is a requirement of the Base's LPDES Permit No. LA0007293.

- (vi) (a)AFIs/AFMANs, federal, state, and local regulation required schedules for inspections and maintenance are followed. Additionally, the Unified Facilities inspection and maintenance directs the POL system oversight.
(b)The BAFB SWPPP requires all materials stored outside to be covered and inspected frequently enough (active secondary containment) to prevent discharges.
(c)BAFB 2CES/CEOES is the POC for refuse. An adequate number of covered dumpsters are placed throughout the base. Roll-offs are available if needed. All buildings have facility managers who receive pollution prevention training, and the facility managers are responsible for meeting MS4 management compliance. As necessary, 2CES/CEIE contracts for the removal and disposal of grit from oil water separators and vehicle wash racks.
(d) BAFB has dredged some of the bayous and cleans storm drains. We have also teamed with the city of Bossier City to remove vegetation from some bayous where Bossier City has requested the effort.
- (vii) POCs for the Good Housekeeping BMPs are listed in the table in this section. The 2CES/CEIE Commander has overall responsible and authority for environmental compliance.
- (viii) The success of P2 and Good Housekeeping will be measured by attainment of listed goals which were selected to reduce the likelihood that common base practice could release pollutants to storm water.

E. Review and Update of the Storm Water Management Program:

1. (a) The program will be reviewed annually prior to the completion of the required LDEQ March 10 report. As stated in Permit LAR040000, changes to the base SWM Plan may be made at any time for additions to components, controls, or requirements. Subtractions or replacements are not allowed. The plan will be updated to reflect changes, and these will be reported in the next March 10 report.
 (b)(i)-(iii) Changes to replace ineffective or unfeasible BMPs can be made at any time. The BAFB SWM Plan will be updated with the changes including why the change was made, expectations of effectiveness, and why the BMP is expected to achieve the goals of the replaced BMP.
2. The state Permitting Authority may require changes to the base SWM Plan as provided in this section of Permit LAR040000.
3. When new areas, for which the Base is responsible, are added to the base MS4, the SWM Plan must be implemented for those areas **within one year**.
 - a. Within 90 days of a change of ownership, operational authority, or responsibility, a plan for implementing a SWM Program for the affected areas will be developed and that information will be part of the annual report.
 - b. Modifications shall be determined to be major or minor as subject to LAC 33:IX.307 and those requirements shall be followed.
4. Changes that require a general permit modification must be sent separately and NOT as part of the annual report. LAC 33: IX.2903 and 2515 will be followed.
5. a. The state may make minor changes to the permit to correct typos, inspection schedules, etc.
6. Substantial permit modifications require public notice.

F. Currently, BAFB does not seek Qualifying Local Program status.

G. Currently, BAFB does not share responsibility for the SWM Program.

H. Discharges to Water Quality Impaired Waterbodies

The 2022 Louisiana Water Quality Integrated Report published 19 August 2022, have Red Chute Bayou (subsegment 100402) and Flat River (subsegment 100406) as listed on the state 303(d) as impaired waterbodies for dissolved oxygen and fecal coliform. Flat River also shows an impairment for non-native aquatic plants. The 2022 IR does not list any of the suspected sources of the impairments include discharges from MS4s. BAFB stores materials in a manner that minimizes exposure to storm water. Ground cover is maintained. Point Source discharges associated with industrial activity are monitored as directed through our individual permit. The base does not operate a POTW.

A Waste Load Allocation has not been assigned to BAFB.

Part V Monitoring, Recordkeeping and Reporting

- A. Monitoring. The BAFB Storm Water Program Manager will evaluate compliance, effectiveness of BMPs, and progress toward identified measurable goals on an ongoing basis.
- B. Recordkeeping. A copy of Permit No. LAR040000 will be maintained in the compliance office of 2CES/CEI, Building 3433. The NOI and all supporting or required records associated with the permit requirements or NOI application will be kept for a period of five years, the term of the permit. LDEQ may extend this period.

The BAFB SWM Plan will be kept in the compliance office. The LDEQ may review the documents. The base SWM Plan and NOI can be made available to the public following 2BW/PA protocol.

- C. Annual Reporting Requirements. No later than (postmarked date) **March 10**, BAFB will submit an annual report for the preceding calendar year which contains the following:
 - 1. Compliance status with LAR040000 conditions, BMP assessment, progress toward goals to reduce the discharge of pollutants, and the measurable goals for each of the minimum control measures (public education/outreach, public involvement/participation, illicit discharge detection and elimination, construction site storm water runoff control, post-construction storm water management in new development and redevelopment, and pollution prevention/good housekeeping).
 - 2. Results of monitoring data, if any are used to assess the BAFB SWM Program. Currently, there is no laboratory analysis associated with this permit.
 - 3. A summary of the storm water activities for the next reporting cycle including the implementation schedule
 - 4. Proposed changes to the SWM Program BMPs or measurable goals
 - 5. n/a

- D. When and Where to Submit Reports.

- 1. The **March 10 Annual Report** shall be sent to—

**Permit Compliance Unit
Office of Environmental Compliance
Louisiana Department of Environmental Quality, P.O. Box 4312,
Baton Rouge, LA 70821-4312**

- 2. Requests about updates to the SWM Program or request for an individual permit shall be sent to: Water Permits Division, Office of Environmental Services, Department of Environmental Quality, P.O. Box 4313, Baton Rouge, LA 70821-43123.

Part VI. Standard Permit Conditions

- A.** Duty to comply. Noncompliance with the conditions of this permit constitutes a violation of the Clean Water Act and the Louisiana Environmental Quality Act. Refer to this part of Permit LAR040000 for more information about penalties that may be assessed.

Continuation of the Expired Permit. Permit LAR040000 became effective 20 November 2023. If it is not reissued or replaced prior to that date, then it is administratively extended by the LDEQ, and coverage is extended until it is.

- B.** BAFB will operate and maintain the MS4 as required by Permit LAR040000.

BAFB will take all reasonable steps to minimize or prevent any discharge in violation of Permit LAR040000 which has a reasonable likelihood of adversely affecting human health or the environment. BAFB will take all reasonable steps to minimize or correct any adverse impact on the environment that results from noncompliance with Permit LAR040000.

- C.** BAFB recognizes that the State has the right of entry and inspection and will cooperate. See specifics of Permit LAR040000, Part VI, Sec C.

- D.** This SWM Plan, the reports, and other information submitted to the state will be signed and certified. The person described in LAC 33.IX.2503.A is the Base Commander.

1. A written copy of the delegation letter from the Base Commander is on file at the main office of the Environmental Flight and was sent to the LDEQ.
2. The Base Commander has authorized the Commander, 2d Civil Engineer Squadron, 2d Civil Engineer Deputy and the Chief, Installation Management Flight to sign plans and reports required by Permit No. LAR040000.
3. Written authorization of the delegation is sent to the State Administrative Authority.
4. Documents required by Permit No. LAR040000 will be signed by the authorized person making the following certification:

“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 gather and evaluate the information submitted. Based on 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.”

BAFB will use a Louisiana Environmental Laboratory Accreditation Program (LELAP) accredited laboratory as listed on the Department of Environmental Quality's website (Divisions → Permit Support Services → laboratory accreditation).

- E. There are penalties for knowingly making false statements in documents required by Permit No. LAR040000. Refer to this part of the permit for specifics.

Nothing in Permit No. LAR040000 relieves or reduces responsibilities, liabilities, or penalties of Section 311 of the Clean Water Act.

Permit No. LAR040000 does not convey any property rights or any exclusive privilege.

Severability. If any provision of this permit is held to be invalid, the other rules and regulations, if unaffected, are still valid.

Part VII Definitions. Terms in this SWM Plan that are found in this section of Permit LAR040000 have the same meaning.

This page intentionally blank.

Appendix A

Minimum Control Measures for Privatized Family Housing at Barksdale

This page intentionally blank.

3 July 2024

Barksdale Family Housing
A Hunt Military Community
201 Langley Dr.
Barksdale AFB, LA 71110

2CES/CEIEC
Attn: Ronald Kay
Barksdale AFB, LA 71110

Dear Mr. Kay,

Barksdale Family Housing agrees to fully implement the minimum control measures outlined in the attached portion of the BAFB Storm Water Management Plan.

Dear Mr. Kay,

Barksdale Family Housing agrees to fully implement the minimum control measures outlined in the attached portion of the BAFB Storm Water Management Plan.

Cathy Yi

Cathy Yi
Community Director, Barksdale Family Housing

STORM WATER MANAGEMENT MINIMUM CONTROL MEASURES

1. Public Education and Outreach on Storm Water Impacts

a. Must include:

- 1) Barksdale Family Housing prepares a quarterly newsletter to all residents. Some newsletters will contain informational items pertaining to storm water pollution prevention. Additionally, fliers may be distributed to residents on storm water pollution prevention tips. Postings to our Community website for viewing by residents and potential new residents will be the primary means of providing information about storm water pollution prevention.
- 2) Briefings are provided by Barksdale Family Housing Community Director or Maintenance Director to staff and maintenance members on what to look for, how to respond to, and who to notify on issues related to storm water management.
- 3) See paragraph 1 above.
- 4) Barksdale Family Housing will collaborate with the Barksdale AFB Storm Water Program Manager in storm water pollution prevention community activity events. Base residents will be informed through the Community website.
- 5) Barksdale Family Housing targeted audiences for the education of storm water pollution prevention are housing residents and maintenance staff/contractors working on residences and other community facilities/infrastructure.
- 6) The target pollutant sources of the education program are for residential generated pollutants as well as residential maintenance generated pollutants. Litter, oils, and paints represent some of the targeted items.
- 7) Barksdale Family Housing's outreach strategy is described in paragraph 1, 2, and 3 above.
- 8) The Community Director and Maintenance Director for Barksdale Family Housing are responsible for the overall management and implementation of our storm water public education and outreach program and all BMPs, with oversight from the Barksdale AFB Storm Water Program Manager.
- 9) The success of the education and outreach program will be evaluated through physical inspection of residential areas on a weekly basis by lead staff members of Barksdale Family Housing as well as periodic oversight observations by the

Barksdale Government Housing Office and Barksdale AFB Storm Water Program Manager. The Barksdale Family Housing Staff members will have documentation placed in their personnel files indicating that they have received annual training.

- b. Recommendations-- Not required.

2. Public Involvement/Participation

- a. Must Include:

- 1) Barksdale Family Housing will support pollution prevention programs when feasible. For example, announcements for Earth Day may be posted to the Community website.
- 2) Barksdale Family Housing includes Resident Guidelines with each resident lease. The resident guideline provides information on our recycling program. Additionally, our recycling program is posted on our community website. Our housing residents are encouraged to recycle; however,
 - a. our recycling contractor picks up recyclables in a bulk manner and sorts at his compound for proper disposition of recyclables. We will provide quantity counts to the Barksdale AFB Recycling Manager. By encouraging recycling, we can help in reducing the possibility of these items becoming pollutants. The Barksdale Family Housing will actively work with Base Leadership and the Barksdale AFB Civil Engineering Environmental Quality Section to help publicize environmental awareness programs. We will actively seek to cooperate with the Base environmental flight.
- 3) Target audiences for Barksdale Family Housing's public involvement program are our housing residents and property management staff/maintenance contractors.
- 4) Barksdale Family Housing recycling program is available to residents, consisting, currently of 991 active units. We will participate, to the extent allowed, in all programs sponsored by Barksdale AFB.
- 5) See paragraphs 2b and 2d above
- 6) The Community Director and Maintenance Director for Barksdale Family Housing are responsible for the overall management and implementation of our storm water public involvement/participation program and all BMPs, with oversight from the Barksdale AFB Civil Engineer Squadron Pollution Prevention

and Storm Water Section.

b. Recommendations-- Not required.

3. Illicit Discharge Detection and Elimination

a. Must include:

- 1) Barksdale Family Housing performs inspections of residential areas. Any illicit discharges observed will be investigated thoroughly and addressed to the suspected resident(s) creating the illicit discharge. Failure to properly correct these illicit discharges could result in breach of lease and eviction as well as assessing any fees for cleanup. In cooperation with the Barksdale AFB Civil Engineer Squadron, suspected cross- contamination will be investigated and promptly repaired if found.
- 2) Any significant changes to our housing areas that require updates to the existing sanitary and storm sewer maps created by Barksdale AFB will be provided to the base as expeditiously as possible for updates.
- 3) Barksdale Family Housing will fully comply with established base policies on non-storm water discharges into the storm sewer system. Enforcement on the housing residents is through the Tenant Lease and Resident Guidelines
- 4) See paragraph 3 above
- 5) See paragraph 3 above
- 6) There are no non-storm water discharges that are significant contributors of pollutants in the housing areas under the control of Barksdale Family Housing.
- 7) Currently there is no incidental non-storm water discharges allowed on base or on the properties of the Barksdale family Housing.

b. Must include:

- 1) We will provide updates, if necessary, to the Barksdale AFB storm sewer map.
- 2) The Tenant Lease and the Resident Guidelines will be fully enforced

for all residents of properties under the control of the Barksdale Family Housing.

3) See paragraph 3 above.

4) See paragraph 3 above.

5) Barksdale Family Housing will provide through flyers, quarterly newsletters, postings on our Community web site articles and notices about the hazards of illegal discharges and improper disposal of waste.

6) The Community Director and Maintenance Director for Barksdale Family Housing are responsible for the overall management and implementation of our storm water public illicit discharge detection and elimination program and all BMPs, with oversight from the Barksdale AFB Storm Water Program Manager.

7) For Barksdale Family Housing, a successful illicit discharge detection and elimination program will be evident by reportable quantity discharges that are reasonably preventable. This goal is an accurate measure of the efficacy of the base illicit discharge prevention program.

c. Recommendations—Not Required.

4. Construction Site Storm Water Runoff Control

a. This section is not-applicable for Barksdale Family Housing. We do not perform any type of construction activity. Construction of Privatized Housing and community upgrades are being accomplished by a developer under a separate storm water pollution prevention construction permit. If this position should change in the future, this section will be amended.

b. Recommendations—Not required.

5. Post-construction Storm Water Management

a. Must include:

1) Barksdale Family Housing will work closely with the developer to ensure new construction site erosion control devices remain in place until new ground cover is established. Any failures of these erosion control devices will be immediately

brought to the attention of the developer and the Barksdale Resident Construction Manager for Privatized Housing for corrections and improvements.

- 2) Post-construction storm water management devices are installed and maintained by the developer until new ground cover is fully established. Barksdale Family Housing will conduct periodic observations of these new ground cover areas to verify that storm water management devices are in place and functioning properly and that the new ground cover is developing. Any observed concerns will be addressed to the developer for correction as well as the Resident Construction Manager for Barksdale AFB.
 - 3) See paragraph 2 above. Barksdale Family Housing has no enforcement authority for post-construction Storm Water Management over the developer. However, we can provide observations to the developer as well as the Barksdale AFB Resident Construction Manager and the Barksdale AFB Civil Engineer Squadron Pollution Prevention and Storm Water Section for their enforcement action under existing Barksdale AFB policies.
 - 4) After final approval and full establishment of new ground cover, Barksdale Family Housing will maintain the ground cover.
- b. Not Applicable for Barksdale Family Housing. We do not perform any type of construction activity or post-construction management until the fully established new site is turned over to us for property management. Construction and post-construction for the housing areas at Barksdale AFB are the responsibility of the developer under a separate storm water pollution prevention plan construction permit.
- c. Recommendations—Not required.

6. Pollution Prevention/Good House Keeping

- a. Must include:
- 1) Barksdale Family Housing has established a preventative maintenance plan for all storm water structures within the residential areas under our control. The plan includes monthly inspections of structures for failures as well as infiltration of contaminants and siltation. Failures or siltation will be repaired, and siltation will be removed mechanically and properly disposed of at the direction of the Barksdale AFB Civil Engineer Squadron. A street sweeping program is in place to reduce street residue and silt buildup within

the street gutter system prior to it infiltrating storm drainage systems.

- 2) The annual training that will be provided to all Barksdale Family Housing staff will ensure full awareness of what to look for in the form of maintaining a good storm water housekeeping program. The housing area recycling program will continue indefinitely.
- 3) See paragraph 1 above
- 4) See paragraph 1 above
- 5) See paragraph 1 above
- 6) See paragraph 1 above
- 7) The Community Director and Maintenance Director for Barksdale Family Housing are responsible for the overall management and implementation of our pollution prevention/good housekeeping program and all BMPs, with oversight from the Barksdale AFB Civil Engineer Squadron.
- 8) The success of this program will be evaluated through Government compliance oversight of Barksdale Family Housing's property management efforts.

B. Recommendations—Not required.

Appendix B

Record of Changes

This page intentionally blank.

Changes to Storm Water Management Plan

Barksdale Air Force Base

Date	Reviewer	Change
16 May 2024	Ronald Kay	Part III – Special Conditions: (B) – Updated 303.d impaired waterbody list, published in the 2022 Integrated Report (IR) of Water Quality in Louisiana on 19 August 2022. Two waterbodies (Red Chute Bayou/100402 & Flat River/100406) are listed as impaired waterbodies receiving stormwater runoff from BAFB’s small MS4. The IR does not list the cause, or suspected source, of impairments as coming from a regulated MS4 or any suspected sources in the Permit that would require additional BMP’s.
“	“	Part IV.D.1 – updated POCs for BMPs.
“	“	Part IV.D.2 – updated POCs for BMPs.
“	“	Part IV.D.1.a.ii – updated “Finding Tracker Database” to “Environmental Inspection Process” (EIP).
5 June 2024	Ronald Kay	Part IV.D.1.a.v.ii – changed Base paper to Base electronic signs.
“	“	Part IV.D.2.a.ii – changed Base paper to Base web media.
“	“	Part IV.D.2.a.v – added adults with youth.
“	“	Part IV.D.3 – updated POCs for BMPs.
27 June 2024	Bill Lee	Part IV.D.3.a.i – changed AFI to AFMAN 32-1067.
27 June 2024	Ronald Kay	Part IV.D.3.a.i – updated most current cross-connection survey to 12 May 2023.
“	“	Part IV.D.3.a.i – changed Base SW Program Mgr. to CAP staff for industrial stormwater sample collection.
“	“	Part IV.D.3.a.i – added Environmental Program Mgr. reports lab analysis on DMR’s.
“	“	Part IV.D.3.vi – Fire fighting activities updated stating only water used.
“	“	Part IV.D.3.v – included AFMAN along with AFIs.
27 June 2024	Bill Lee	Changed the following AF policy names: AFI 32-7041 to AFMAN 32-1067 (WQ); AFI 32-7042 to AFMAN 7002 (Solid & HAZ Waste); AFI 90-803 to AFI 32-7001 (ESOH); added AFMANs to AFIs for tracking reportable illegal discharges.
28 June 2024	Ronald Kay	Part IV.4 - Updated POC for BMPs.

Date	Reviewer	Change
28 June 2024	Ronald Kay	Part IV.6 – updated POC for BMPs.
		Part IV.6.H – updated impaired waterbodies, from year 2022 IR, that receive stormwater runoff from BAFB’s small MS4 including impairments of each subsegment. Suspected sources, listed in year 2022 IR, does not state the source is from a MS4 or any other source attributed to a MS4.