



**DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE GLOBAL STRIKE COMMAND
BARKSDALE AIR FORCE BASE LOUISIANA**

February 29, 2024

Texas Commission on Environmental Quality
Stormwater & Pretreatment Team Leader (MC-148)
P.O. Box 13087
Austin, Texas 78711-3087

Re: Phase II MS4 Annual Report Transmittal for Dyess Air Force Base, Texas
TPDES Authorization: TXR040235

Team Leader:

This letter serves to transmit the required annual report for the Texas Pollutant Discharge Elimination System (TPDES) Small Municipal Separate Storm Sewer System (MS4) General Permit, Authorization Number TXR040235 for Dyess Air Force Base, Texas.

The annual report is for Year 5. The reporting period's beginning January 1, 2023 and ending December 31, 2023.

A separate Notice of Change has not been submitted based on the fact that changes have not been proposed for the next permit year.

As required by the general permit, a copy of the report has been delivered to the TCEQ Region 3 Office in Abilene, Texas.

Sincerely,

A handwritten signature in black ink, reading "Brent McClellan".

Brent McClellan, M.S.
Environmental Program Manager
Dyess AFB, Texas



Phase II (Small) MS4 Annual Report Form

TPDES General Permit Number TXR040000

A. General Information

Authorization Number: TXR040235

Reporting Year (year will be either 1, 2, 3, 4, or 5): 5

Annual Reporting Year Option Selected by MS4:

Calendar Year: X

Permit Year: _____

Fiscal Year: _____ Last day of fiscal year: (_____)

Reporting period beginning date: (month/date/year) January 1, 2023

Reporting period end date: (month/date/year) December 31, 2023

MS4 Operator Level: Level 2 (Military Base)

Name of MS4: Dyess Air Force Base / US Department of the Air Force

Contact Name: Brent McClellan, Stormwater Manager

Telephone Number: 325-696-5663

Mailing Address: 710 3rd Street, Bldg. 8006, Dyess AFB, Texas 79607

E-mail Address: brent.mcclellan@us.af.mil

A copy of the annual report was submitted to the TCEQ Region: YES X NO _____

Region the annual report was submitted to: TCEQ Region 3

B. Status of Compliance with the MS4 GP and SWMP

1. Provide information on the status of complying with permit conditions:
(TXR040000 Part IV.B.2)

	Yes	No	Explain
Permittee is currently in compliance with the SWMP as submitted to and approved by the TCEQ.	X		All Year 5 BMPs are in compliance.
Permittee is currently in compliance with recordkeeping and reporting requirements.	X		Dyess is in compliance with the permit's recordkeeping and reporting requirements
Permittee meets the eligibility requirements of the permit (e.g., TMDL requirements, Edwards Aquifer limitations, compliance history, etc.).	X		Dyess has no TMDL or Impaired Waterbody requirements.
Permittee conducted an annual review of its SWMP in conjunction with preparation of the annual report	X		Dyess conducted a review of the SWMP prior to the preparation of this annual report

2. Provide a general assessment of the appropriateness of the selected BMPs. You may use the table below to meet this requirement (**see Example 1 in instructions**):

MCM(s)	BMP	BMP is appropriate for reducing the discharge of pollutants in stormwater (Answer Yes or No and explain)
1: Public Education and Outreach	<p>Track and record 100% of the number of MFH resident receiving the six stormwater brochures (HHW, Pet Waste, Lawn Care, Pollution Prevention, SW Pollution Prevention, Water Conservation) annually.</p> <p>Track and record the circulation of the six stormwater brochures (HHW, Pet Waste, Lawn Care, Pollution Prevention, SW Pollution Prevention, and Water Conservation) distributed from the BBC Housing Maintenance facility.</p>	<p>Yes.</p> <p>During this permit term, 853 brochures were distributed to MFH residents through Housing in-briefing.</p> <p>During this permit term, 25 brochures were distributed to visitors and maintenance employees at the BBC Maintenance Facility.</p>

1: Public Education and Outreach	Supply brochures to the Front Gate Visitor's Center, Mesquite Grove Golf Course clubhouse, and Youth Activity Center. Track the number of brochures distributed.	Yes. 24 brochures were distributed; Front Gate (4 brochures), Golf Course (7 brochures), and Youth Activity Center (13 brochures).
1: Public Education and Outreach	Track 20% (16 storm drains) of the installed decals to determine maintenance or replacement needs.	Yes. No damaged or missing decals discovered.
1: Public Education and Outreach	If updates to the SWMP occur, replace previous SWMP with updated version to the Dyess public website and environmental intranet. Post 5 th Annual Report to the Dyess public website and environmental intranet.	Yes. The most up-to-date SWMP version is posted on the Dyess Public Website and environmental intranet. Yes. The 5 th Annual Report has been posted to the Dyess public website and the environmental intranet.
1: Public Education and Outreach	Maintain hotline phone number, document hotline calls received from the public and actions taken.	Yes. The phone number of the Environmental Main Line is on all distributed brochures. In addition, one member of the Environmental Element is on call 24-hours/day each week of the year to respond to any public comments, concerns, or IDDE events. No calls were received during the current Annual Report period.
2: Illicit Discharge Detection & Elimination (IDDE)	Update the storm sewer map annually or as needed.	Yes. A review of the MS4 storm sewer map was conducted and no changes were made.
2: Illicit Discharge Detection & Elimination (IDDE)	Educate and train MS4 field staff annually. Training will include Environmental Element staff, Mesquite Grove Golf Course maintenance personnel, and BBC Housing maintenance personnel.	Yes. Education and training of MS4 field staff was completed. Environmental Element Staff (7/18/23 – 8/01/23); Mesquite Grove Golf Course Maintenance personnel (11/01/23); and BBC Housing Maintenance personnel (4/3/2023).

2: Illicit Discharge Detection & Elimination (IDDE)	Document all illicit discharges/ connections reported, investigated, and eliminated. Use criteria detailed in section 3.4 of the SWMP and Part III.B.2 of the MS4 Permit.	Yes. One illicit discharge occurred, was documented, and responded to for corrective actions.
3: Construction Site Stormwater Runoff Control	<p>Respond to 100% of construction complaints received by the public regarding issues related to stormwater discharges from sites with construction activities.</p> <p>Complete weekly inspections of construction sites within the MS4 for illicit discharge detection and BMP compliance.</p> <p>Provide QAE Construction Site Inspection Training; if applicable.</p>	<p>Yes. However, no complaints were received.</p> <p>No construction site weekly inspections were conducted due to no active construction sites in the MS4.</p> <p>No Quality Assurance Evaluator (QAE) Construction Site Inspection Training was required due to no active construction sites in the MS4.</p>
4: Post-Construction Stormwater Management	Review all site plans submitted for new development projects within the Dyess MS4 to ensure inclusion of open spaces designs.	Yes. However, there were no active construction sites or construction site plans for the MS4.
5: Pollution Prevention/ Good Housekeeping	Perform annual stormwater pollution prevention training and record attendance.	Yes. Education and training of MS4 field staff was completed. Environmental Element Staff (7/18/23 – 8/01/23); Mesquite Grove Golf Course Maintenance personnel (11/01/23); and BBC Housing Maintenance personnel (4/3/2023).
5: Pollution Prevention/ Good Housekeeping	Annually review the Stormwater portion in the Environmental Specifications for contractors.	Yes. The annual review and update for the environmental specifications was performed on 12/13/23 and found to be appropriate.
5: Pollution Prevention/ Good Housekeeping	Verify annual and semi-annual street sweeping activities with BBC Housing Maintenance and record the activity.	<p>Yes. The scheduled annual and semi-annual street sweeping activities assist in mitigating the introduction of pollutants into the stormwater system.</p> <p>Street sweeping activities for the first-half 2023 was completed 5/18/23 (all MFH streets). Second-half 2023 sweeping was completed 8/17/23 (Texas, Virginia, Washington/Washington Loop, and Louisiana).</p>

5: Pollution Prevention/ Good Housekeeping	Install storm drain inlet protection units where feasible. Remove sediment and other pollutants that have collected in the storm drain inlet protection units.	Yes. No storm drain inlet protection units were installed. The existing storm drain inlets were maintained for sediment and debris removal on 1/13/23 and 8/18/23.
5: Pollution Prevention/ Good Housekeeping	Pet waste management stations are installed near playground areas and along walking/bike trails within the MS4 housing area. Maintain stations and record frequency of use.	Yes. The pet waste management stations were checked and emptied each month (January – December) of the permit term.
5: Pollution Prevention/ Good Housekeeping	The Golf Course maintenance facility and the Oil Water Separator (OWS) will be inspected at a minimum of once per year.	Yes. Golf Course Maintenance facility and the OWS inspection occurred on 6/21/23 and no stormwater issues were observed.

3. Describe progress towards achieving the goal of reducing the discharge of pollutants to the MEP. If no progress was made or the BMP did not result in a reduction in pollutants, provide an explanation. Use the table below to meet this requirement (**see Example 2 in instructions**):

MCM	BMP	Information Used	Quantity	Units	Does the BMP Demonstrate a Direct Reduction in Pollutants? (Answer Yes or No and explain)
1	Public Education (Visitors & BBC employees)	Brochures	49	Brochures	No. Though this BMP does not result in a direct reduction in pollutants, educating the visitors and employees of the MFH will eventually reduce the introduction of litter, hydrocarbons, & other pollutants.
1	Public Education (MFH residents)	Brochures	853	Brochures	No. Though this BMP does not result in a direct reduction in pollutants, educating the residents of the MFH will eventually reduce the introduction of litter, hydrocarbons, & other pollutants.

1	Inspect Storm Drain Decals and replace if necessary	Storm Drain Decals	16	Decals	No. Though this BMP does not result in a direct reduction in pollutants, it provides an indirect reduction through stormwater awareness to all residents, workers, and visitors.
1	Posting of renewed or updated SWMP to the Dyess public website	SWMP	1	SWMP	No. Though this BMP does not result in a direct reduction in pollutants, it provides an indirect reduction through stormwater awareness to the public.
1	Posting of 4 th Annual Report to the Dyess public website and environmental intranet	5 th Annual Report	1	Annual Report	No. Though this BMP does not result in a direct reduction in pollutants, it provides education and awareness to interested parties to what steps Dyess is taking to prevent pollutants from entering the MS4 drainage system.
1	Maintain hotline phone number, document hotline calls received from the public and actions taken	Hotline Phone Number	0	Calls and Actions Taken	Yes. Although no calls were received, this BMP can have a direct reduction in pollutants through timely response to illicit discharges and provide education and awareness to those calling the hotline for information.
2	Storm Sewer Map update	Storm Sewer Map	1	Annual Review	No. This BMP does not results in a direct reduction in pollutants. However, it does provide for the update of any new storm sewer installations so that any response to a discharge can be more easily tracked.
2	Educate and train MS4 field staff annually	Training	23	Field Staff	Yes. Providing education and training to MS4 field staff brings knowledge of stormwater regulations and BMPs to identify discharges and other non-compliance issues.

2	Document all illicit discharges/connections reported, investigated, and eliminated	Illicit Discharges/Connections	1	Illicit Discharges/Connections	Yes. By responding to reported illicit discharges/connections, performing investigations, and eliminating the discharges/connections mitigates the extent of the discharges/connections.
3	Respond to 100% of construction complaints from the public related to stormwater discharges	Construction Stormwater Complaints	0	Complaints	Yes. Responding to stormwater complaints from the public will mitigate the extent of construction site discharges to the MS4 system.
3	Complete weekly inspections of construction sites within the MS4 for discharges and BMP compliance	Construction Sites	0	Inspections	Yes. Conducting weekly inspections of construction sites for discharges and BMP compliance will mitigate the extent of construction site discharges to the MS4 system.
3	Provide Quality Assurance Evaluators (QAE) Construction Site Inspection Training	Construction Site Inspection Training	0	Personnel	Yes. By providing construction site inspection training to QAE bestows the knowledge of site compliance and BMPs to mitigate the extent of construction site discharges to the MS4 system.
4	Review site plans submitted for new development projects within Dyess MS4 to ensure inclusion of open spaces designs	New Construction Plans	0	Reviews	Yes. By reviewing new development projects for the inclusion of open spaces designs provides pre-planning for vegetative buffers, structural controls, and other BMPs to mitigate the introduction of pollutants into the MS4 system.
5	Perform Annual Stormwater Pollution Prevention Training	Stormwater Pollution Prevention Training	23	Personnel	Yes. Providing stormwater pollution prevention education and training brings knowledge of stormwater pollution prevention techniques and occurrences to mitigate the introduction of pollutants into the MS4 system.

5	Annually review the stormwater portion of the Environmental Specifications for contractors	Environmental Specifications for Contractors	1	Annual Review	Yes. By providing stormwater Environmental Specifications for contractors, it establishes guidelines that contractor(s) must follow to stay in compliance with the mutual contract.
5	Annual and semi-annual street sweeping activities in the MS4	Street sweeping	2	Cleanings	Yes. Routine street sweeping will directly result in the removal of litter, sediment, and other stormwater pollutants.
5	Install storm drain inlet protection where feasible. Remove sediment and other pollutants from storm drain inlet protection units	Visual inspections and maintenance of stormwater structures	2	Inspections	Yes. Visual inspections, maintenance, and pollutant removal will result in the direct reduction of litter, sediment, and other debris.
5	Maintain Pet Waste Management Stations	Inspection and emptying of pet waste stations	12	Pet Waste Stations	Yes. Monthly inspection and removal of pet waste from the pet waste stations will result in the direct reduction of pathogenic pollutants.
5	Inspect the Golf Course Maintenance Facility and the Oil Water Separator (OWS)	Golf Course Maintenance Facility and OWS	1	Inspections	Yes. The inspection of the maintenance facility and the operation integrity of the OWS provides a direct reduction of pollutants entering the MS4 system.

4. Provide the measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals (see **Example 3 in instructions**):

MCM(s)	Measurable Goal(s)	Explain progress toward goal or how goal was achieved. If goal was not accomplished, please explain.
1	Distribute educational brochures for placement at Visitor Center, Golf Course, BBC Housing Maintenance Facility, and the Youth Activity Center	Met goal – Distributed 49 educational brochures at the Visitor Center, golf course, BBC housing maintenance facility and the Youth Activity Center.
1	Track and record 100% of the number of educational brochures to residents of the Military Family Housing (MFH)	Met goal – Distributed 853 educational brochures to residents in the MFH.
1	Track 20% (16 storm drains) of the installed decals	Met goal – 16 Storm drains were inspected for maintenance or replacement. No maintenance or replacement occurred.
1	If updates to the SWMP occur, replace previous SWMP with updated version to the Dyess public website and environmental intranet. Post Annual Report to the Dyess public website and environmental intranet	Met goal – The most up-to-date version is posted on the Dyess public website and environmental intranet. Met goal – the 5 th Annual Report has been posted to the Dyess public website and the environmental intranet.
1	Maintain hotline phone number, document hotline calls received, and actions taken	Met goal – Hotline phone number is being maintained for calls from the public. No calls received.

2	Update the storm sewer map annually or as needed	Met goal – The storm sewer map was reviewed. No updates to storm sewer maps occurred.
2	Educate and train MS4 staff annually	Met goal – All MS4 field staff (23 total) in the Environmental Element, Golf Course Maintenance, and BBC Maintenance Facility completed training.
2	Document all illicit discharges/connections reported, investigated, and eliminated	Met goal – One illicit discharge was reported, documented, and eliminated (corrective actions completed) by the Environmental Element staff.
3	Respond to 100% of construction complaints	N/A – No construction projects occurred during the current reporting period; however, the Environmental Element is trained and prepared to receive and conduct construction site complaints.
3	Complete weekly inspections of construction sites	N/A – No construction projects occurred during the current reporting period; however, the Environmental Element is trained and prepared to conduct weekly construction site inspections.
3	Provide QAE Construction Site Inspection Training	N/A – No QAE Construction Site Inspection Training was conducted due to no construction sites in the MS4 during this reporting period.
4	Construction Plan Review/Open Space Design	N/A – All construction plans are reviewed by the Environmental Element. No construction site plans submitted or reviewed for the MS4 area.
5	Perform annual stormwater pollution prevention training	Met goal – All members (23 total) of the Environmental Element, Golf Course Maintenance Facility, and the BBC Housing Maintenance Facility were trained on stormwater pollution prevention practices.
5	Annually review the Stormwater portion in the Environmental Specifications for contractors	Met goal – The stormwater portion of the Environmental Specifications for contractors was reviewed during this reporting period and found to be appropriate.
5	Annual and semi-annual street sweeping	Met goal – Annual sweeping was 100% conducted in designated locations. The semi-annual sweeping was conducted in designated locations.
5	Install storm drain inlet protection units and maintain	Met goal – No new storm drain inlets were installed. Existing storm drain inlets were appropriately maintained as verified through inlet inspections.
5	Maintain pet waste management stations through MFH	Met goal – Pet waste management stations were emptied and maintained monthly.

5	Annual inspect the Golf Course Maintenance Facility and the Oil Water Separator (OWS)	Met goal – The Golf Course Maintenance Facility and the OWS were inspected during the reporting period.
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C. Stormwater Data Summary

Provide a summary of all information used, including any lab results (if sampling was conducted) to assess the success of the SWMP at reducing the discharge of pollutants to the MEP. For example, did the MS4 conduct visual inspections, clean the inlets, look for illicit discharge, clean streets, look for flow during dry weather, etc.?

Dyess continues to oversee a solid stormwater management program and does not anticipate any obstacles or challenges to BMPs or meeting future program requirements. Data provided in Section B of this Annual Report demonstrate that Dyess' uses a wide-variety of BMPs to protect the stormwater that exits in its MS4 area. Although the collecting of analytical samples is no longer a BMP in the renewed permit, analyses had been performed for several years with no indication of significant levels of pollutants of concern exiting the MS4. The education provided by the base-Environmental staff and the stormwater maintenance activities conducted by BBC provides a balance of classroom knowledge and field operations to mitigate the level of pollutants in the MS4.

Dyess considers the MS4/SWMP program to be very effective and will continue to implement the strengths of the program and further develop upon areas where improvements can be made.

D. Impaired Waterbodies

1. Identify whether an impaired water within the permitted area was added to the latest EPA-approved 303(d) list or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d). List any newly-identified impaired waters below by including the name of the water body and the cause of impairment.

N/A – No impaired waterbodies within the permitted area.

2. If applicable, explain below any activities taken to address the discharge to impaired waterbodies, including any sampling results and a summary of the small MS4's BMPs used to address the pollutant of concern.

N/A – No impaired waterbodies within the permitted area.

3. Describe the implementation of targeted controls if the small MS4 discharges to an impaired water body with an approved TMDL.

N/A – No impaired waterbodies within the permitted area.

4. Report the benchmark identified by the MS4 and assessment activities:

Benchmark Parameter <i>(Ex: Total Suspended Solids)</i>	Benchmark Value	Description of additional sampling or other assessment activities	Year(s) conducted
N/A	N/A	N/A	N/A

5. Provide an analysis of how the selected BMPs will be effective in contributing to achieving the benchmark:

Benchmark Parameter	Selected BMP	Contribution to achieving Benchmark
N/A	N/A	N/A

6. If applicable, report on focused BMPs to address impairment for bacteria:

Description of bacteria-focused BMP	Comments/Discussion
N/A	N/A

7. Assess the progress to determine BMP’s effectiveness in achieving the benchmark.

For example, the MS4 may use the following benchmark indicators:

- number of sources identified or eliminated;
- number of illegal dumpings;
- increase in illegal dumping reported;
- number of educational opportunities conducted;
- reductions in sanitary sewer flows (SSOs); /or

- increase in illegal discharge detection through dry screening.

Benchmark Indicator	Description/Comments
N/A	N/A

E. Stormwater Activities

Describe activities planned for the next reporting year:

MCM(s)	BMP	Stormwater Activity	Description/Comments
All	Review SWMP and update as necessary	Continue to implement BMPs and update SWMP as necessary until the new permit is issued.	Dyess submitted an NOI and an updated SWMP in July 2019 to meet the requirements of the newly-issued MS4 Phase II Permit. Updates included changes/activities were added, modified, and/or removed.

F. SWMP Modifications

1. The SWMP and MCM implementation procedures are reviewed each year.

Yes No

2. Changes have been made or are proposed to the SWMP since the NOI or the last annual report, including changes in response to TCEQ's review.

Yes No

If "Yes," report on changes made to measurable goals and BMPs:

MCM(s)	Measurable Goal(s) or BMP(s)	Implemented or Proposed Changes (Submit NOC as needed)
N/A	N/A	N/A

Note: If changes include additions or substitutions of BMPs, include a written analysis explaining why the original BMP is ineffective or not feasible, and why the replacement BMP is expected to achieve the goals of the original BMP.

3. Explain additional changes or proposed changes not previously mentioned (i.e. dates, contacts, procedures, annexation of land, etc.).

G. Additional BMPs for TMDLs and I-Plans

Provide a description and schedule for implementation of additional BMPs that may be necessary, based on monitoring results, to ensure compliance with applicable TMDLs and implementation plans.

BMP	Description	Implementation Schedule (start date, etc.)	Status/Completion Date (completed, in progress, not started)
N/A	N/A	N/A	N/A

H. Additional Information

1. Is the permittee relying on another entity to satisfy any permit obligations?

Yes No

If "Yes," provide the name(s) of other entities and an explanation of their responsibilities (add more spaces or pages if needed).

Name and Explanation: N/A

2.a. Is the permittee part of a group sharing a SWMP with other entities?

Yes No

2.b. If "yes," is this a system-wide annual report including information for all permittees?

Yes No

If "Yes," list all associated authorization numbers, permittee names, and SWMP responsibilities of each member (add additional spaces or pages if needed):

Authorization Number: _____ Permittee: _____

Authorization Number: _____ Permittee: _____

I. Construction Activities

1. The number of construction activities that occurred in the jurisdictional area of the MS4 (Large and Small Site Notices submitted by construction site operators): 0

2a. Does the permittee utilize the optional seventh MCM related to construction?

Yes No

2b. If "yes," then provide the following information for this permit year:

The number of municipal construction activities authorized under this general permit	
The total number of acres disturbed for municipal construction projects	N/A

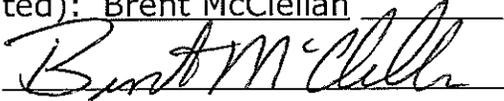
Note: Though the seventh MCM is optional, implementation must be requested on the NOI or on a NOC and approved by the TCEQ.

J. Certification

If this is this a system-wide annual report including information for all permittees, each permittee shall sign and certify the annual report in accordance with 30 TAC §305.128 (relating to Signatories to Reports).

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 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.

Name (printed): Brent McClellan Title: Stormwater Program Manager

Signature:  Date: 2/29/2024

Name of MS4 Dyess Air Force Base / U.S. Department of the Air Force

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

