

SPACE BASE DELTA 2
BUCKLEY SPACE FORCE BASE COLORADO



STORMWATER MANAGEMENT PROGRAM
PLAN

**National Pollutant Discharge Elimination System (NPDES)
Individual Permit # COR 042003 for Stormwater Discharges
from Municipal Separate Storm Sewer System (MS4)**

2 April 2025

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1.0 INTRODUCTION

Buckley Space Force Base (SFB) must comply with federal and state regulations related to environmental protection while ensuring mission accomplishment. One of the primary environmental laws impacting Buckley SFB is the federal Clean Water Act (CWA) and associated implementing regulations. The purpose of the CWA is to protect and restore the physical, chemical, and biological integrity of our nation's waterways by controlling and limiting discharges of pollutants to these waterways.

In accordance with the CWA and implementing regulations, Buckley SFB is a small municipal separate storm sewer system (MS4) requiring coverage under the National Pollutant Discharge Elimination System (NPDES) for stormwater discharges. Buckley SFB previously discharged municipal stormwater under a NPDES General Permit for Stormwater Discharges from Federal Facility Small MS4s in Colorado. This general permit was effective from 23 Jun 2003 through 22 Jun 2008 and was administratively extended through 2013. Region 8 of the United States Environmental Protection Agency (EPA) decided to issue individual MS4 discharge permits to Federal Facilities in Colorado rather than issuing a new General Permit.

Buckley SFB was issued NPDES Permit Number COR 042003 (MS4 Permit) from EPA Region 8. The permit effective date is 1 November 2023 with authorization to discharge expiring at midnight on 31 October 2028.

A requirement of the Buckley SFB MS4 Permit is development of a Stormwater Management Program (SWMP) to implement the terms and conditions of the MS4 Permit. Buckley SFB must update the existing SWMP to comply with the new requirements of the MS4 permit with effective date of 1 Nov 2023 within one year after the effective date of this permit. The MS4 Permit defines the SWMP as a comprehensive program to manage the quality of stormwater discharged from an MS4 through implementation of Best Management Practices (BMPs). The MS4 Permit requires the development and implementation of BMPs to address six Minimum Control Measures (MCMs), which are (1) Public Education and Outreach on Stormwater Impacts, (2) Public Involvement and Participation, (3) Illicit Discharge Detection and Elimination, (4) Construction Site Stormwater Runoff Control, (5) Post-Construction Stormwater Management in New Development and Redevelopment, and (6) Pollution Prevention/Good Housekeeping for Municipal Operations. Buckley SFB must conduct an annual review of the SWMP in conjunction with preparation of the annual report.

1.1 PURPOSE

The SWMP describes BMPs, measurable goals, and documentation procedures to comply with the MS4 Permit terms and conditions. Also, this SWMP serves as a framework for identifying, assigning, and implementing control measures and BMPs intended to reduce the discharge of pollutants from the MS4 and protect downstream water quality. In addition to these primary objectives, this SWMP will:

- Serve as a planning and guidance document to be used by Buckley SFB's regulatory body (i.e. EPA Region 8), installation organizations, contractors, and the public throughout the Buckley SFB community.

- Be dynamic and adaptively managed to address changes in MS4 Permit requirements, organizational structure, responsibilities, and goals.
- Define techniques and measurable goals for measuring BMP effectiveness; and
- Define a five-year schedule for BMP implementation to comply with the requirements of the MS4 Permit. Note, the schedule for BMP implementation will extend due to permit continuance until the permit renewal is issued and effective.

1.2 STORMWATER MANAGEMENT PROGRAM ORGANIZATION

Section 1.0 introduces the background and requirements associated with the MS4 Permit and summarizes the purpose of this SWMP; Section 2.0 provides an overview of Buckley SFB including a description of activities, drainage basins and receiving waterbodies, and Buckley SFB personnel with SWMP responsibilities; Section 3.0 describes the SWMP implementation; and Sections 3.0 through 9.0 identify and describe the BMPs and associated measurable goals that will fulfill the requirements of the six MCMs outlined in the MS4 Permit.

2.0 BUCKLEY SFB OVERVIEW

Space Base Delta 2 (SBD2), which is the host unit on Buckley SFB and falls under the direction of the United States Space Force (USSF) which ultimately falls under the Department of Air Force (DAF), has a stated mission “to deliver unrivaled combat support to our Joint mission partners and Allies, enabling uninterrupted missile warning, intelligence, and cyber operations.” More largely, SBD2 supports the United States Space Force (USSF). The USSF is a military service that organizes, trains, and equips space forces to protect U.S. and allied interests in space and to provide space capabilities to the joint force. USSF responsibilities include developing military space professionals, acquiring military space systems, maturing the military doctrine for space power, and organizing space forces to present to our Combatant Commands. Besides being the home of SBD2, Buckley SFB also hosts Space DEL 4 Missile Warning Delta, the 140th Wing, Colorado Air National Guard (COANG), the Navy Operational Support Center, the Aerospace Data Facility-Colorado, the Army Aviation Support Facility and the Air Reserve Personnel Center; these are also known as the "Big Six" mission partners at Buckley.

Buckley SFB is located on 3,311 acres of flat to rolling uplands on the eastern edge of urbanized portions of the City of Aurora. As of 2021, the base consists of about 620 acres of impervious/improved area, approximately 1,396 acres designated as semi-improved land and approximately 1,068 acres designated as unimproved/pervious. The MS4 Permit covers all areas of the MS4 within the exterior boundary of Buckley SFB. Note the privatized housing area (currently operated by Hunt Housing, LLC) is not served by the Buckley MS4 system and therefore this area is not covered under the MS4 Permit; however, the permit does contain requirements to provide public education and outreach to residents, which does include the privatized housing residents. The MS4 consists of surface and subsurface conveyance including inlets, junction points, headwalls, culverts, structural controls such as detention ponds, and open channels. There are more than 24 miles of stormwater pipe, 5 miles of stormwater culverts, and 25 miles of open channel conveyance on Buckley SFB.

Stormwater drainage on Buckley SFB is identified by four major drainage basins: Sand Creek Drainage Basin, Murphy Creek Drainage Basin, Granby Ditch Drainage Basin, and East Toll Gate Creek Drainage Basin. Stormwater runoff leaving the Base flows into named and unnamed tributaries to Sand Creek, which generally flows to the northwest and discharges into the South Platte River about 12 miles downstream from Buckley SFB. Drainage from the eastern portion of the Base, Murphy Creek Drainage Basin, naturally drains overland into Murphy Creek. Murphy Creek flows to the northwest until it joins Sand Creek. Drainage from the northeastern and northern portion of the Base flows to Sand Creek. Drainage from the northwestern portion of the Base (Granby Ditch Drainage Basin) flows into the City of Aurora storm sewer system (via an open channel ditch and Granby Ditch) and then to Toll Gate Creek. Drainage on the western and southwestern portion of the Base (East Toll Gate Creek Drainage Basin) flows directly to East Toll Gate Creek.

2.1 MINIMUM CONTROL MEASURES AND BMPS

“Minimum Control Measures” is the term used by the EPA for the six MS4 program elements aimed at achieving improved water quality. The MS4 Permit specifies that the SWMP must include BMPs to address requirements of the following six minimum measures:

- Public Education and Outreach on Stormwater Impacts.

- Illicit Discharge Detection and Elimination.
- Construction Site Stormwater Runoff Control.
- Post-construction Stormwater Management in New Development and Redevelopment; and
- Pollution Prevention / Good Housekeeping for Municipal Operations.
- Public Involvement and Participation.

BMPs have been developed pursuant to MS4 Permit requirements and to reduce the discharge of pollutants to the installation storm drain system. BMPs presented in this SWMP include operations, maintenance, planning, and construction. BMPs will be updated as appropriate to comply with the MS4 Permit requirements, as well as changes in installation mission or operations.

The BMPs described in Sections 3.0 through 9.0 will be implemented by Buckley SFB staff and outside contractors. Full development and implementation of BMPs will be completed through the 5-year implementation plan and during administrative continuance as presented in the following sections.

2.2 ROLES AND RESPONSIBILITIES

Implementation of the SWMP is a team effort involving multiple organizations and personnel across Buckley SFB. The following positions have key roles and responsibilities in implementing this SWMP:

Installation Commander (Space Base Delta 2/CC) – Responsible for mission operations on Buckley SFB and maintains overall responsibility for environmental compliance.

Commander, 460 Civil Engineer Squadron (460 CES/CC) – Responsible for leading, directing, and overseeing the 460 CES. The 460 CES is responsible for operations and maintenance of facilities and infrastructure owned by the SBD2 on Buckley SFB including compliance with environmental regulations. The 460 CES/CC is also responsible for coordinating with tenant organizations concerning tenant owned and operated facilities and infrastructure. The 460 CES/CC also coordinates with other commanders on Buckley SFB, as required, to meet mission requirements including environmental compliance.

460 Civil Engineer Squadron Installation Management Flight Chief (460 CES/CEI) - Responsible for real property, environmental, and asset management activities on Buckley SFB, including coordination with tenant organizations. The 460 CES/CEI is responsible for coordinating environmental compliance activities on Buckley SFB and supporting the Water Quality Program Manager with implementation of this SWMP.

460 Civil Engineer Squadron Engineering Flight Chief (460 CES/CEN) – Responsible for development and redevelopment projects on Buckley SFB, including coordination with tenants for tenant funded development and redevelopment projects. The 460 CES/CEN Flight Chief is responsible for planning, design, construction oversight, coordination with contracting agencies, conducting design reviews, incorporating storm water controls into development and redevelopment projects, developing Forms 1391, and maintaining project folders.

460 Civil Engineer Squadron Operations Flight Chief (460 CES/CEO) - Responsible for facility and infrastructure maintenance of 460 Space Wing owned assets. Schedules and directs recurring and non-recurring maintenance activities of facilities and infrastructure. Responsible for implementing the Buckley SFB Facility Management Program.

460 Civil Engineer Squadron Environmental Element Chief (460 CES/CEIE) – Responsible for overseeing and directing environmental compliance activities on Buckley SFB, including compliance with the Buckley SFB MS4 Permit. The 460 CES/CEIE Chief supervises the Water Quality and Hazardous Waste Program Managers and advocates for resources required for environmental compliance.

460 Civil Engineer Squadron Water Quality Program Manager (460 CES/CEIE) – Responsible for coordination and implementation of this SWMP as well as recordkeeping and reporting related to the Buckley SFB MS4 Permit.

460 Civil Engineer Squadron Stormwater Coordinator (460 CES/CEIE) – Responsible for coordination and implementation of this SWMP as well as recordkeeping and reporting related to the Buckley SFB MS4 Permit.

Privatized Housing Contractor – Responsible for maintaining and operating the on-base housing units on Buckley SFB. The Privatized Housing Contractor is responsible for developing and distributing informational materials to the residents of the housing areas, including the Buckley SFB Housing Rules and Guidelines. The privatized housing area is under the Buckley SFB MS4 jurisdiction as of 1 November 2023.

3.0 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

The goal of the Public Education and Outreach (PEO) MCM is to ensure greater public awareness of water quality and MS4 Permit requirements. Specifically, this MCM is intended to educate the Buckley SFB community (hereafter referred to as “the public”), which includes, but is not limited to, grounds maintenance personnel, facility managers, tenants, residents, contractors, project managers, contract managers, environmental staff and workers engaging in industrial activities about the importance of protecting stormwater quality for the benefit of the environment and human health. The MS4 Permit requires that Buckley SFB distribute information on general water quality goals and address potential pollutant sources, impacts of stormwater discharges and steps the public can take to reduce pollutants in stormwater runoff.

The following BMPs will be implemented by Buckley SFB over the 5-year permit cycle and period of administrative continuance to satisfy the PEO MCM. Buckley SFB will utilize existing federal, state, and Air Force-developed stormwater public education and outreach materials whenever possible. When necessary, new materials will be created. The estimated number of people to be reached by the PEO program contained in this SWMP is more than 1,000 people per year which includes military, civilian, contractor, military dependents, and retired military personnel who work and utilize services on Buckley SFB. The Buckley SFB Water Quality Program Manager is responsible for coordination and implementation of the PEO program.

3.1 PEO-1 DISTRIBUTE WATER QUALITY EDUCATIONAL MATERIAL

Permit Cross-Reference

This BMP supports compliance with Paragraph 2.2.1; 2.2.2; and 2.2.3 of the Buckley SFB MS4 Permit.

Implementation Details

- Target audience is the entire Buckley SFB population through Newcomer’s Orientation which is required events for all persons working at Buckley SFB. Multiple environmental media, including water quality and spill response information are covered during this orientation.
- The material must address potential pollutant sources, impacts of stormwater discharges on water bodies and the steps that the target audience can take to reduce pollutants in stormwater runoff, inform the target audience of the impacts associated with illegal discharges and improper disposal of waste, and any policies and/or procedures that should be implemented to minimize the discharge of the defined pollutants in stormwater runoff.
- Informational materials shall be updated and distributed as necessary and provide a location where all annual reports and/or SWMP updates as required by the Permit may be viewed.

Responsible Party

- The 460 CES/CEIE is responsible for ensuring that environmental awareness education is provided.
- The 460 FSS is responsible for maintaining the Newcomers Orientation attendance roster.

Measurable Goals

- Estimate the number of people reached by PEO-1 each year through attendance sheets.

Documentation and Report Procedures

- Each year, Newcomers Orientation will be provided monthly.
- The Buckley SFB MS4 Annual Report will include dates of newcomer's orientation and copies of the environmental content provided.

3.2 PEO-2 TRAINING FOR FACILITY MANAGERS

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.2.1; 2.2.2; 2.2.3 of the MS4 Permit.

Implementation Details

Each facility on Buckley SFB has a designated Facility Manager who is the interface between the facility occupants and the Civil Engineer function. The Facility Manager is responsible for reporting maintenance requirements, conducting facility inspections, and coordinating maintenance activities. As the focal point for facility specific maintenance issues, the Facility Manager can help to identify sediment and erosion problems occurring near individual facilities. Facility Managers must attend an initial training program as well as an annual refresher. Environmental protection awareness, compliance and spill response training will be incorporated into this existing training program and target building managers, maintenance workers, and tenants.

Responsible Party

- 460 CES/CEIE is a presenter at these quarterly trainings
- 460 CES/CEO is responsible for conducting the trainings.

Measurable Goals

- Provide facility manager training at least quarterly and incorporate education on how to minimize, report, and recognize spills and illicit discharges.

Documentation and Report Procedures

- The MS4 Annual Report will include dates of facility manager trainings and copies of the environmental content provided.

3.3 PEO-3 NPDES AND PESTICIDE TRAINING

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.2.1; 2.2.2, 2.2.3; 2.2.4; 2.2.5 of the MS4 Permit.

Implementation Details

- Provide the grounds contractors with training related to the requirements for NPDES permitting and in the area of chemical disposal and stormwater runoff at least once during the effective term of this Permit or within one year of beginning a new contract, whichever is sooner. Ensure training includes water quality impacts associated with Buckley SFB sources of nitrogen and phosphorus.
- Specifically target 460th and 140th grounds maintenance contractors, facility managers, tenants, residents including hunt housing residents, project managers, contract managers, contracting officers, and workers engaging in industrial activities.

Responsible Party:

- 460 CES/CEIE is responsible for providing training materials.
- 460 CES/CEOIE pest shop contains pesticide storage

Measurable Goals

- Determine sources (i.e., residential, industrial, agricultural, or commercial) of nitrogen and phosphorus that have potential (deicers containing phosphorus, application of fertilizers, and pet waste) to contact surface water.
- Grounds Maintenance contractors do not store pesticides at BSFB.
- Provide training to specific target audience at least once during the effective term of this Permit and maintain attendance record.
- Training must describe impacts of nitrogen and phosphorus stormwater runoff and illicit discharges, the behaviors of concern, and actions that the target source can take to reduce nutrients. Examples of education efforts includes encouraging responsible fertilizer application, encouraging xeriscaping, proper disposal of leaves and lawn waste, and evaluating alternatives to deicers containing phosphorus.

Documentation and Report Procedures

- Dates and attendance rosters for stormwater training will be maintained by the Water Quality Program Manager. The MS4 Annual Report will include a summary of methods (in person, computer-based, etc.), frequency, and type of training provided.

4.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION

An illicit discharge is defined as any discharge to a MS4 that is not composed entirely of stormwater, except for the following allowable non-stormwater discharges identified in Paragraph 1.4.2 of the Buckley SFB MS4 Permit:

- Discharges authorized by a separate NPDES permit.
- Discharges in compliance with instruction of an On-Scene-Coordinator pursuant to 40 CFR Part 300 or 33 CFR 153.10(e).
- Water line flushing.
- Landscape irrigation.
- Diverted stream flows.
- Rising ground waters.
- Uncontaminated ground water infiltration.
- Uncontaminated pumped ground water.
- Discharges from potable water sources.
- Foundation drains.
- Air conditioning condensate.
- Irrigation water.
- Springs.
- Water from crawl space pumps.
- Footing drains.
- Lawn watering.
- Flows from riparian habitats and wetlands.
- De-chlorinated swimming pool discharges.
- Street wash water.
- Power washing where no chemicals are used.
- Individual residential car washing.
- Roof drains; and
- Discharges or flows from emergency firefighting required to prevent imminent threat to human health or severe property damage, provided that reasonable and prudent measures have been taken to minimize the impact of such discharges.

These discharges are specifically authorized under the MS4 Permit unless the permittee determines that these allowable non-stormwater discharges are significant contributors of pollution. If the permittee determines that these discharges are significant contributors of pollution, then the discharge is considered illicit, and controls must be put in place to minimize or eliminate pollutants from the associated discharge. Illicit discharge sources must be controlled, and illegal behavior prohibited in accordance with the MS4 Permit. The illicit discharge detection and elimination procedures presented in this section represent the Buckley SFB IDDE program. Typical sources of illicit discharges include sanitary wastewater, effluent from septic tanks, car wash wastewaters,

improper used oil disposal, radiator flushing disposal, roadway spills, and the improper disposal of auto and household chemicals. Buckley SFB has performed annual dry weather screening of major outfalls and completed a stormwater system inventory and condition assessment study in 2013. Based on these investigations, Buckley SFB representatives have determined that no known cross-connections currently exist in which sanitary wastewater is entering the stormwater system. Buckley SFB reviews annually allowable non-stormwater discharges and will implement local controls (BMPs) as necessary to ensure that they are not significant contributors of pollutants to stormwater. Illicit discharges can also be reported by installation personnel using the stormwater action line or through the Base Fire Department (720-847-9117). The action line email address goes directly to the Water Quality Program staff and 460 CES/CEIE Chief. The Base Fire Department will notify the 460 CES/CEIE of illicit discharges and spills as required by the Buckley SFB Spill Plan. The action line email address and phone number are advertised on stormwater related outreach materials to promote public involvement.

The following BMPs will be implemented by Buckley SFB during the five-year permit term and period of administrative continuance. The Water Quality Program Manager is responsible for coordinating and implementing the IDDE BMPs.

4.1 IDDE-1 ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.3.1; 2.3.3; 2.3.4; and 2.3.5 of the MS4 Permit.

Implementation Details

- Conduct annual review of the EPA IDDE Manual and confer with Buckley SFB stakeholders about allowable non-stormwater discharges and potential harm and need for control measures. Review of the EPA IDDE Manual familiarizes staff with procedures for detection, identification of sources, and removal of non-stormwater discharges from the storm sewer system.
- Provide the emergency contact information on any outreach materials as appropriate for building managers, project managers, and tenants.
- Maintain the stormwater action line email address (460ces.cevwater@us.af.mil). Document action line emails received from the public and actions taken in public participation log.
- Monitor daily Fire Department incident response reports for spill notifications.
- Investigate any illicit discharge within two (2) business days of detection and thoroughly document assessment and abatement efforts.

Responsible Party:

- 460 CES/CEIE

Measurable Goals

- Document the annual review of the EPA IDDE Manual and if there are any additional controls needed for discharges.
- Distribute emergency spill contact information to all building managers, project managers, and tenants and include contact information.
- Document the time required to investigate, plan, and correct confirmed illicit discharges identified on Buckley SFB. For confirmed illicit discharges, Buckley SFB will investigate any illicit discharge within two (2) business days of its detection and take action to eliminate the source of the discharge within fifteen (15) business days of its detection (or obtain permission from the EPA for such longer periods as may be necessary instances).

Documentation and Report Procedures

- The MS4 Annual Report must describe the program used to detect and eliminate illicit discharges into the MS4, including procedures for detection, identification of sources, and removal of non-stormwater discharges from the storm sewer system.
- The MS4 Annual Report must describe the categories of non-stormwater discharges evaluated as potentially being significant contributors of pollutants to the MS4 and any local controls placed on these discharges.
- If illicit discharge occurs –
 - The MS4 Annual Report must describe the discharge, timeline of actions including actions taken to eliminate the source and include a copy of the EASIER spill record. Maintain documentation related to the illicit discharge detection and response as well as any sample and analytical data.

4.2 IDDE-2 DRY WEATHER SCREENING OF MAJOR OUTFALLS

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.3.1; 2.3.6; and 2.3.7 of the MS4 Permit.

Implementation Details

- Maintain an information system which tracks dry weather screening efforts, illicit discharge reports, and the location and any remediation efforts to address identified illicit discharges.
- If an illicit discharge is detected, an assessment of that discharge shall be made. The assessment should first be used to determine the source of the dry weather discharge and if

it can be readily remedied (e.g., landscape watering). Field sampling should be used when it is not possible to eliminate a dry weather discharge. Sampling could include field tests of selected chemical parameters as indicators of discharge sources where dry weather flows are detected. Screening level tests may utilize less expensive “field test kits” using test methods not approved by the provided the manufacturer’s published detection ranges are adequate for the illicit discharge detection purposes.

- Buckley SFB will conduct visual dry weather screening of major stormwater outfalls on the installation at least once per year. This visual monitoring will occur during dry periods, so that any flow through the storm conveyance system can be noted and tracked to its source. If an unallowable non-stormwater discharge is identified, an assessment of the discharge will be made IAW paragraphs 2.3.5 and 2.3.7 of the MS4 Permit. Additionally, dry weather screening will annotate any significant erosion issues at the outfall locations. Dry weather screening efforts will be documented and maintained in an information system for tracking purposes.

Responsible Party:

- 460 CES/CEIE is responsible for ensuring that the dry weather screening is accomplished.

Measurable Goal

- Conduct dry weather screening of the 21 outfalls once per year. Document findings of dry weather screening and erosion evaluation.

Documentation and Report Procedures

- The annual report will describe the location and method of dry weather screening by including a copy of the field form used at each of Buckley’s outfalls.
- A description of illicit discharges abated, and all actions taken to eliminate sources of illicit discharges.
- If dry weather discharge is detected –
 - Document results of any follow up illicit discharge investigation or assessments.
 - Semi-annual Phosphorus monitoring is to occur for flows greater than 5-gallons per minute at outfalls 1A, 1B, 1C, 2, 3, 6D, 11

4.3 IDDE-3 ILLEGAL DUMPING AND ENFORCEMENT PROCEDURES

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.3.1; 2.3.2 of the MS4 Permit.

Implementation Details

- Maintain an enforcement policy which effectively prohibits, through ordinance or other regulatory or contractual mechanism available under the legal authorities of the MS4, non-stormwater discharges into the storm sewer system and implement appropriate

enforcement procedures and actions. The enforcement policy should include a description of the range of actions to be taken by the Permittee in response to an illicit discharge.

- As a military installation, all personnel working, visiting, or otherwise having access to the installation are subject to specific laws, regulations, and policies while on Buckley SFB. Enforcement procedures for non-compliance with laws, regulations, and policies are included in the Uniform Code of Military Justice, contracts subject to Federal Acquisition Regulations, Air Force Instruction (AFI) 51-202 *Nonjudicial Punishment*, AFI 36-704 *Discipline and Adverse Actions*, AFI 36-2907 *Unfavorable Information File (UIF) Program* among others. Enforcement procedures can vary based on specific situations. Military and civilian employees can receive verbal reprimands, written reprimands in employment records, demotions, loss of pay, and discharge from Federal service as examples.
- In the most severe cases, the SBD2/CC has the authority to bar individuals from accessing Buckley SFB. Enforcement procedures on Buckley SFB are administered by individual supervisors, commanders, Security Forces Squadron, and potentially off-installation law enforcement officers. These existing illicit discharge and illegal dumping procedures have worked effectively for Buckley SFB under the installation's previous MS4 Permit.

Responsible Party:

- 460 CES/CEIE will document illicit discharge and illegal dumping enforcement procedures.

Measurable Goal

- Leverage existing DAF policies – Uniform Code of Military Justice, Federal Acquisition Regulations, Air Force Instruction 51-201 Law Administration of Military Justice, and AFI 36-704 Discipline and Adverse Actions of Civilian Employees.

Documentation and Report Procedures

- The MS4 Annual Report must include a description of the mechanism/ordinance used to prohibit illicit discharges into the MS4, illegal dumping enforcement actions taken. The above description concerning illegal dumping and enforcement procedures can be reported as an appropriate regulatory mechanism to prohibit and enforce illicit discharges on Buckley SFB.

4.4 IDDE-4 STORM SEWER SYSTEM MAP

Permit Cross-Reference

This BMP supports compliance with Paragraph 2.3.8 of the MS4 Permit.

Implementation Details

Buckley SFB has developed a map of the installation storm sewer system that identifies drainage conveyance, storm drain inlets, basins, culverts, outfalls and BMPs. The Buckley SFB GIS storm sewer system map is updated quarterly by AFMC AFCEC/CZO contract with CSU-CEMML.

Develop and maintain an updated map of the stormwater drainage system within the Buckley Space Force Base (BSFB) property showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls.

Responsible Party:

- 460 CES/CEIE is responsible for communicating any GIS updates to be incorporated into Buckley GIS.

Measurable Goal

- Track updates to the complete storm sewer system map in the Buckley SFB GIS.

Documentation and Report Procedures

- A description of the schedule and/or progress in creating a complete storm sewer map.
- Document the schedule and/or progress in maintaining a complete storm sewer map.

5.0 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

The purpose of the Construction Site Stormwater Runoff Control (CON) MCM is to prevent soil and construction materials and wastes from leaving the site and entering the stormwater drainage system. Sediment is usually the primary pollutant of concern.

The following BMPs will be implemented by Buckley SFB during the five-year permit term and period of administrative continuance and represent a program to reduce pollutants in stormwater runoff from construction sites. Pollutants of concern specifically targeted by the BMPs established in this section include sediment, solid waste, phosphorous, nitrogen, pesticides, herbicides, petroleum, oil, lubricants (POL), concrete truck washout wastewater, construction chemicals, and construction debris. The CON BMPs are presented in the following subsections. The Water Quality Program Manager is responsible for coordination and implementation of the construction site runoff control program.

5.1 CON-1 CONSTRUCTION PROJECT OVERSIGHT PROGRAM

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.4.1; 2.4.3; of the MS4 Permit.

Implementation Details

- Develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of pollutants in stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. For these projects, an operator specific Notice of Intent (NOI) and site-specific Stormwater Pollution Prevention Plan (SWPPP) will be developed and implemented to meet permit requirements and control the discharge of pollutants off the construction site.

The construction oversight program will include construction site inspection criteria, scheduling, responsibilities, procedures to address noncompliance, and inspection form.

- Maintain a list of policies and/or procedures which can be used to enforce construction site compliance within the BSFB. Implement procedures for documenting deficiencies in contract performance based on compliance with construction stormwater regulations. This may include working with other cities, drainage districts, and/or utilizing the EPA for enforcement of construction stormwater violations and shall address enforcement mechanisms for non-BSFB construction projects (e.g., county road construction). The policies and/or procedures shall incorporate an escalation protocol (e.g., a warning for first-time violators, followed by escalated actions for subsequent violations).

Responsible Party:

- 460 CES/CEIE is responsible for developing, maintaining and updating the construction project oversight program.

Measurable Goal

- Buckley SFB must develop, implement, and enforce a program for use by Buckley SFB stormwater managers to reduce pollutants in any stormwater runoff to the MS4. The construction oversight program will include a list of policies and procedures that can be used to enforce compliance with applicable stormwater discharge permits related to construction activities. The program will be continuously reviewed and updated annually as needed.
- Implement procedures for documenting deficiencies in contract performance based on compliance with construction stormwater regulations. The policies and/or procedures shall incorporate an escalation protocol.

Documentation and Report Procedures

- A description of the compliance mechanisms the Permittee uses to ensure that construction activities disturbing equal to or greater than one acre of land are in compliance with the terms of the EPA General Permit for Discharges from Construction Activities.
- Typically, the construction contract and standard specifications related to environmental and stormwater management include provisions for erosion and sediment controls, as well as compliance with applicable discharge permits. Government contractors must comply with Federal Acquisition Regulations and contract requirements, including environmental protection. Acquisition regulations and contracts contain specific enforcement provisions for non-compliance by contractors. Enforcement provisions include cure notices, contract termination, stop work orders, liquidated damages, negative contractor performance ratings, and being precluded from future government contracts. Enforcement against government contractors is a contracting officer responsibility with input and support from quality assurance evaluator and subject matter experts on Buckley SFB.
- Provide a description or citation of the established ordinance or other regulatory mechanism used to enforce construction site compliance and require erosion and sediment controls.

- A description of the compliance mechanisms the Permittee uses to ensure that construction activities disturbing equal to or greater than one acre of land follow the terms of the EPA General Permit for Discharges from Construction Activities.

5.2 CON-2 CONSTRUCTION SITE STORMWATER TRAINING

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.4.2 of the MS4 Permit.

Implementation Details

- Provide and document training to staff which perform inspections regarding the maintenance and installation of best management practices (BMPs) for construction stormwater control and the terms of the EPA General Permit for Discharges from Construction Activities. This training is required at least once during the term of this Permit or within one year of hiring new inspectors, whichever is sooner, and shall include procedures for how inspectors will document and submit findings to the appropriate Permittee staff.

Responsible Party:

- 460 CES/CEIE will oversee the construction site stormwater training program but responsibility for executing effective construction site stormwater controls resides with contractors and other base personnel.

Measurable Goal

- Document training through attendance roster and maintain copies of materials presented.

Documentation and Report Procedures

- Documentation of training provided to a BSFB construction inspector or BSFB project managers regarding the maintenance and installation of BMPs for construction stormwater control and the terms of the EPA General Permit for Discharges from Construction Activities.

5.3 CON-3 DESIGN REVIEW AND CONSTRUCTION SITE BMP INFORMATION

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.4.4; 2.4.5; of the MS4 Permit

Implementation Details

- This existing design review process provides Buckley SFB environmental management, engineers, and planners the opportunity to review site plans, evaluate statements of work, and incorporate consideration of potential water quality impacts. The construction contractor must prepare a SWPPP using the Buckley-specific template and submit that

SWPPP to 460 CES/CEIE for approval before applying for coverage under NPDES permits. The 460 CES/CEN is responsible for implementing the design review process.

- Appropriate control measures must be selected, designed, installed, implemented, and maintained to minimize all potential pollutants, such as but not limited to sediment, construction site waste, trash, discarded building materials, concrete truck washout, chemicals, sanitary waste, and contaminated soils in discharges to the MS4. Specific control measures must meet the MS4 requirements.

Responsible Party:

- 460 CES/CEIE, 460 CES/CEN and 460 CONS are responsible for ensuring adequate design.

Measurable Goal

- Maintain existing review process for design and construction projects planned for Buckley SFB.
- Maintain existing process for identifying construction site BMPs and providing such information to project construction contractors.
- Hold pre-construction meetings with the contractors and project management staff to ensure BMP related questions and requirements are addressed prior to BMP installation.

Documentation and Report Procedures

- In accordance with AFIs and the United States Air Force Project Managers' Guide for Design and Construction requirements, all development and redevelopment projects planned for Buckley SFB must be reviewed by 460 CES representatives. The designated government design and construction management agent is responsible for maintaining review comments with the official project folder.
- A description of the procedures for site plan review, including the review of preconstruction site plans, which incorporate consideration of potential water quality impacts and applicable specification language will be reported in the MS4 Annual Report.
- Document the projects and dates for all pre-construction meetings.

5.4 CON-4 CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN REVIEW

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.4.6; 2.4.7 of the MS4 Permit.

Implementation Details

- Buckley SFB has established procedures for site plan review by reviewing construction site SWPPP for construction activities requiring coverage under the CGP. During the review process, the Buckley SFB Environmental Element provides comments concerning the contractor's SWPPP. This process ensures appropriate control measures are selected, designed, installed, implemented, and maintained to minimize all potential pollutants, such as but not limited to sediment, construction site waste, trash, discarded building materials, concrete truck washout, chemicals, sanitary waste, and contaminated soils in discharges to the MS4. The contractor maintains ultimate responsibility for complying with the CGP and site-specific SWPPP. This process will be maintained, and the Water Quality Program Manager will document comments made to contractor SWPPPs.
- Review the SWPPP for construction activities that result in a land disturbance of greater than or equal to one acre or less than one acre and part of a larger common plan of development or sale that would disturb one acre or more. A narrative description of non-structural control measures must be included in the construction SWPPP. The Permittee must require that the construction SWPPP be maintained to reflect current conditions. This means, among other actions, the Permittee must take all documentation and enforcement steps necessary at each site to ensure that the construction SWPPP is maintained to reflect all current conditions.

Responsible Party:

- 460 CES/CEIE

Measurable Goal

- Maintain and utilize a closure process whereby a BSFB construction inspector or BSFB project managers evaluate whether 70 % vegetative cover (or another final stabilization measure described in Parts 2.4.5.4-2.4.5.3) has been met at all areas of the site prior to closing out construction stormwater permits.
- Maintain existing site plan and SWPPP review process. Document site plan and SWPPP reviews and record any comments provided to the construction entity pertaining to the contractor's SWPPP. Dates and copies of SWPPP review comments will be maintained by the 460 CES/CEIE.

Documentation and Report Procedures

- A description of construction activities which disturbed greater than or equal to one acre of land.
- The date and a copy of comments provided to contractors pertaining to site-specific SWPPPs will be maintained by the 460 CES/CEIE.

6.0 POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND RE-DEVELOPMENT

The Post-Construction Stormwater Management (PC) MCM focuses on site and design considerations as they relate to stormwater quality, which are addressed in the planning and design stages of project development. The Water Quality Program Manager is responsible for coordination and implementation of the post-construction stormwater management program.

6.1 PC-1 POST-CONSTRUCTION STORMWATER MANAGEMENT PROCESS

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.5.1; 2.5.4; 2.5.5; 2.5.6 of the MS4 Permit.

Implementation Details

- As part of the design review process for new construction projects disturbing equal to or greater than one acre, including projects less than one acre that are part of a larger common plan of development or sale, review contracts to ensure that they meet the Permit Control Measure Design Standards defined in Part 2.5.8. See Part 2.5.14.
- The Permittee's requirements and oversight must be implemented to address selection, installation, implementation, and maintenance of Control Measures using one of the following design standards: WQCV, Runoff Reduction, Pollutant Removal
- This existing design review process provides Buckley SFB environmental management, engineers, and planners the opportunity to review site plans, evaluate statements of work, and structural or nonstructural, permanent, post-construction BMPs to prevent or minimize water quality impacts.
- Implement a closeout procedure such that newly installed post-construction stormwater control measures can be cleaned and are in working order as designed prior to closing out contracts.
- Include maintenance requirements for newly installed permanent post-construction stormwater control measures into a long-term maintenance plan
- Retain construction as-built designs and maintenance requirements for all Control Measures installed for the purpose of meeting the Control Measure Design Standards defined in Part 2.5.8. and New Development Planning Procedures for Specific Industrial Activities defined in Part 2.5.15. for the life of the Control Measures. This requirement applies to vegetative and soil management requirements, minimization of directly connected impervious areas, and other green infrastructure practices designed to meet the requirements in Part 2.5.8.

Responsible Party:

- 460 CES/CEN is responsible for implementing the design review process.

Measurable Goal

- Maintain existing review process for new development and re-development projects planned for Buckley SFB. Include evaluation of pre-development and post-development runoff conditions in design review process.

Documentation and Report Procedures

- A description of the process used to ensure that all BSFB contracts initiated after the effective date of this Permit contain language which requires the installation of permanent stormwater control measures and an excerpt of applicable contract language
- A description of the inspection and recordkeeping procedures and the assumptions provided to ensure the long-term operation and maintenance of permanent stormwater control measures.

6.2 PC-2 ANNUAL MEETING WITH EXTERNAL STAKEHOLDERS

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.5.2 of the MS4 Permit.

Implementation Details

- Invite the appropriate city, county, and/or drainage district staff to meet at least annually to discuss recently constructed or proposed new developments and how they may impact the water quality downstream.

Responsible Party:

- 460 CES/CEIE

Measurable Goal

- The Water Quality Program Manager will attempt to conduct a meeting between appropriate Buckley SFB and appropriate city, county, and/or drainage district staff at least once per year to discuss water quality and discharges to East Toll Gate Creek.

Documentation and Report Procedures

- Document meeting with either attendance roster, meeting agenda, memorandum for record, or pictures.

6.3 PC-3 CONTROL MEASURE DESIGN AND CONSTRUCTION PLANNING TRAINING

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.5.3; of the MS4 Permit.

Implementation Details

- By 1 November 2025, provide and document training to appropriate permittee staff with construction planning and/or oversight duties, and other staff as deemed appropriate, to provide education on stormwater runoff, and to communicate the expectations for meeting the Control Measure Design Standards defined in Part 2.5.8.

Responsible Party:

- 460 CES/CEIE

Measurable Goal

- Document training of staff through sign-in roster

Documentation and Report Procedures

- A description of training provided to appropriate permittee staff with construction planning and/or oversight duties, and other staff as deemed appropriate, to provide education on stormwater runoff, and to communicate the expectations for meeting the Control Measure Design Standards defined in Part 2.5.8.

6.4 PC-4 ANNUAL INSPECTION OF STORMWATER CONTROL MEASURES

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.5.7; of the MS4 Permit.

Implementation Details

- Inspect at a minimum, annually, all Control Measures installed for the purpose of meeting the Control Measure Design Standards to ensure that they are being maintained in a manner which meets their intended design. This requirement applies to vegetative and soil management requirements, minimization of directly connected impervious areas, and other green infrastructure practices designed to meet the requirements in Part 2.5.8.
- The MS4 Permit requires all post-construction stormwater controls to be included in a georeferenced data management system. Buckley SFB has developed a map of the

installation storm sewer system that identifies drainage conveyance, storm drain inlets, basins, culverts, outfalls and BMPs. This map will be updated as new post-construction BMPs are added. Construction contractors are required to provide as-built drawings of storm sewer system modifications to the 460 CES/CEN for incorporation into the georeferenced data management system. The Water Quality Program Manager and 460 CES/CEN will conduct an annual review of the Buckley SFB structural post-construction stormwater controls inventory/map to ensure updates are being made. Any structural post-construction stormwater controls missing from the inventory will be added during the annual review.

- Inspection and maintenance of the post-construction stormwater controls is critical to ensuring long-term operation and improved downstream water quality. To properly maintain existing and future structural BMPs, the Water Quality Program Manager will perform a visual inspection of each structural post-construction stormwater BMP at least annually. Structural post-construction stormwater BMPs for the purposes of this BMP include the following structural control measures: detention ponds, bioretention areas, outfalls, and check dams. Inlets and culverts will be inspected as part of P2-3 presented in the next section of this SWMP. Maintenance will be initiated based on inspection findings.

Responsible Party:

- 460 CES/CEIE

Measurable Goal

- Conduct annual review of the post-construction stormwater controls inventory/map and make required updates.
- A description of the inspection and recordkeeping procedures and the assumptions provided to ensure the long-term operation and maintenance of permanent stormwater control measures.

Documentation and Report Procedures

- Structural post-construction stormwater BMPs, defined as detention ponds, bioretention areas, outfalls, and check dams for the purposes of this BMP, will be inspected at least annually. Any maintenance requirements will be identified on the inspection report. As required, BMP maintenance and repairs will be requested through the appropriate organizations.
- Upon closeout of new construction projects, include maintenance requirements and as-built specifications for newly installed permanent post-construction stormwater control measures into a plan or system which integrates into existing facility management procedures for the BSFB.
- Retain construction as-built designs and maintenance requirements for all Control Measures installed for the purpose of meeting the Control Measure Design Standards defined in Part 2.5.8.

7.0 POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL-TYPE FEDERAL OPERATIONS

The purpose of this MCM is to implement Pollution Prevention and Good Housekeeping (P2) practices to prevent or reduce pollutant runoff from municipal operations at Buckley SFB. The following BMPs are either existing or will be implemented by Buckley SFB over the five-year permit term and period of administrative continuance. The P2 BMPs are described in the following subsections.

7.1 P2-1 MUNICIPAL STORMWATER TRAINING

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.6.1; 2.6.2 of the MS4 Permit

Implementation Details

- Develop and implement an operation and maintenance program that includes an employee training component and has the goal of preventing or reducing pollutant runoff from municipal-type federal operations.
- Develop and implement a municipal-type federal operations program that has the goal of preventing or reducing nitrogen and phosphorus in stormwater runoff associated with the MS4 Permittee's operations. Written procedures for an operation and maintenance program to prevent or reduce nitrogen and phosphorus in stormwater runoff associated with the MS4 Permittee's operations shall be developed.

Responsible Party:

- 460 CES/CEIE, 460 CES/CEO

Measurable Goal

- Conduct annual training of fleet maintenance and civil engineer shops. Maintain attendance roster and training date as applicable. If not applicable, maintain a distribution list and dates of distribution.
- Evaluate, identify, and document the municipal-type federal operations and facilities that are and/or have the potential to contribute nitrogen and phosphorus to the MS4.

Documentation and Report Procedures

- The MS4 Annual Report will include a description of the contents and frequency of the training program for municipal personnel and a list of the personnel or positions trained during the term of the Permit

7.2 P2-2 SNOW AND ICE CONTROL TRAINING

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.6.3 of the MS4 Permit

Implementation Details

- To ensure that base personnel are prepared for snow and ice control prior to the winter season, annual training will be provided to snow and ice control operations personnel. Training will include sand, salt, deicing and anti-icing agent application; snow removal and dump guidance; and equipment training. The 460 CES Operations Flight is responsible for providing and documenting this training.

Responsible Party:

- 460 CES/CEO

Measurable Goal

- Conduct annual snow meeting/training each fall and maintain attendance roster.

Documentation and Report Procedures

- Dates and attendance rosters for annual snow and ice control training will be maintained by the 460 CES/CEO. A description of training content and list of positions trained must be provided with the MS4 Annual Report. In accordance with AFI 32-1002 Snow and Ice Control, training is required for Buckley SFB personnel who operate snow and ice control equipment, including deicing and traction equipment. Training includes equipment operation, priorities, and snow dump locations. Training must be provided prior to the deicing season, typically in September.

7.3 P2-3 INLET INSPECTION AND MUNICIPAL MAINTENANCE SCHEDULE

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.6.1; 2.6.4; 2.6.5; 2.6.6; 2.6.8 of the MS4 Permit.

Implementation Details

- Buckley SFB will inspect storm drain inlets and culverts for maintenance requirements.
- Buckley SFB executes a street sweeping program to remove debris and materials deposited on streets to collect these materials and prevent them from entering the stormwater drainage system.
- Buckley SFB has established policies that limit municipal vehicle washing to approved vehicle wash racks to consolidate areas to wash vehicles and large equipment.

- Buckley SFB will implement control measures to prevent or reduce potential discharges of pollutants to the MS4 from the applicable Permittee facilities. New procedures shall be developed and implemented for any new applicable Permittee facilities before the facility becomes operational.
- Install and maintain control measures (structural or non-structural) which reduce the discharge of pollutants in stormwater runoff from electronic component recycling areas, herbicide and pesticide application areas, turf management areas, recycling/material storage areas, fuel storage and transfer areas, de-icer storage, lavatory waste transfer/disposal areas, industrial activities (e.g., welding), food service areas, and loading/unloading areas.

Responsible Party:

- 460 CES/CEIE AND 460 CES/CEO

Measurable Goal

- Inspect storm drain inlets and culverts. Document cleaning activities, waste disposal practices.
- Develop maintenance schedule based on inspection results. Perform an annual evaluation of the schedule and document the evaluation.

Documentation and Report Procedures

- The 460 CES/CEO is responsible for managing maintenance of the stormwater conveyance system including inspection and clean out. The MS4 Annual Report requires a description of any evaluations performed on cleaning operations or any new measures taken related to cleaning to minimize the negative impacts to water quality. Any evaluations performed as well as completion progress will be reported in the MS4 Annual Report.

8.0 PUBLIC INVOLVEMENT / PARTICIPATION

The goal of the Public Involvement and Participation (PIP) control measure is to raise public awareness about urban runoff pollution through public involvement and participation in the Buckley SFB water quality protection program. It is Buckley SFB's intent that the following BMPs support the overall program in generating public participation, fostering support for the purpose and goals of the program, and ultimately reducing the discharge of pollutants. The municipal stormwater discharge permit requires Buckley SFB at minimum, comply with applicable public notice requirements when implementing a public involvement/participation program.

The following BMPs will be implemented by Buckley SFB within the permit term and period of administrative continuance. These BMPs will involve several departments and groups to raise awareness and gain the community's input as it relates to Buckley SFB's stormwater management program, water quality challenges, and implementation efforts. The following sections discuss PIP BMPs at that comprise the SWMP. The Water Quality Program Manager is responsible for coordination and implementation of the PIP program.

8.1 PIP-1 PUBLIC NOTICE REQUIREMENTS

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.7.1 of the MS4 Permit.

Implementation Details

- Buckley SFB will maintain a Public Involvement and Participation process that complies with public notice requirements for actions conducted, when applicable.

Responsible Party

- 460 CES/CEIE & AFCEC

Measurable Goals

- The Water Quality Program Manager, AFCEC and SBD2 Judge Advocate Office will review when applicable any public notice requirements to provide opportunities for public involvement.

Documentation and Report Procedures

- An MFR will be generated by the Water Quality Program Manager and SBD2 Judge Advocate office documenting public notice requirements that could be triggered by the public involvement and participation program.
- Copies of any required public notices will be maintained by the Water Quality Program Manager to document compliance with the MS4 Permit.

8.2 PIP-2 SWMP PUBLIC REVIEW

Permit Cross-Reference

- This BMP supports compliance with Paragraph 2.7.1.2 of the MS4 Permit.
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Implementation Details

- The MS4 Annual Report will be posted on the Buckley SFB website along with contact information for the Water Quality Program.

Responsible Party

- 460 CES/CEIE

Measurable Goals

- Make MS4 annual reports available on the Buckley SFB website.

Documentation and Report Procedures

- Maintain copies of documents used to provide public notice and any public comment received.
- Document mechanism used to allow public comment
- Maintain records of information submitted by the public.

9.0 MONITORING

Buckley SFB is required to perform dry weather phosphorus monitoring at outfalls 1A, 1B, 1C, 2, 3, 6D, and 11. During the first year of the permit, the Permittee must identify which outfalls contain dry weather flows greater than 5 gallons per minute (gpm). No discharge occurring shall be a result of surface runoff from stormwater. Upon identification, the Permittee must begin semi-annual (twice per year) total phosphorus monitoring for a minimum of 8 semi-annual samples from each outfall with dry weather discharge. The samples shall be analyzed using a 40 CFR Part 136 approved analytical method.

Buckley SFB is required to perform per- and polyfluoroalkyl substances (PFAS) monitoring for outfalls 1A, 1B, 1C, 2, 3, 6D, 11 and the Industrial Detention Pond and the Army Aviation Support Facility (AASF) Pond. PFAS monitoring shall begin by 1 November 2025. Buckley SFB will provide PFAS monitoring results with its annual report for each year of permit coverage.

10.0 RECORDKEEPING

Buckley SFB must retain records of all applicable monitoring information, including, all calibration and maintenance records and all original data for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this Permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the EPA at any time. Buckley SFB must submit these records to EPA only when specifically asked to do

so. The Environmental Element's Water Quality Program Manager will retain a description of the SWMP, annual reports, and monitoring report associated with complying with this permit.

11.0 ANNUAL REPORT

Buckley SFB is required to submit the results of the quarterly monitoring with its annual report required in Part 6.2. Buckley SFB will report PFAS monitoring results with its annual report for each year of permit coverage. Buckley SFB is required to develop and submit an annual report to EPA Region 8. The first annual report is due to EPA Region 8 by 1 April each year and will cover actions taken during the period beginning on the effective date of the Permit through 31 December. Each subsequent annual report is due on 1 April of each year following 2024 for the remainder of the Permit term. The Buckley SFB Annual Report will be reviewed for Anti-terrorism/Force Protection concerns. Any information that cannot be released to the public will be marked "confidential" or "for official use only."

Each annual report must be signed by a principal executive officer, ranking elected official, or duly authorized representative of that person. For purposes of this section, a principal executive officer of a Federal agency includes: (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA). A person is a duly authorized representative only if:

- The authorization is made in writing by a person described in principal executive officer or ranking elected official and submitted to the EPA; and
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility for environmental matter for the regulated entity.

The person signing the annual report must include the following 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 on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering 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."

12.0 REVIEW LOG

Reviewer	Role	Review Date
Matt Cohen	460 CES/CEIE	8, 10 March 2023

Matt Cohen	460 CES/CEIE	2-July 2024
Greg Vierra	460 CES/CEIE	26-August 2024
Brandon Fellner	AFCEC	4-September 2024
Matt Cohen	460 CES/CEIE	29-October
Matt Cohen	460 CES/CEIE	1 November 2024
Matt Cohen	460 CES/CEIE	21 March 2025
Matt Cohen	460 CES/CEIE	2 April 2025