
STORMWATER MANAGEMENT PLAN FORT CARSON, COLORADO

JANUARY 2025

EFFECTIVE DATES OF THE FORT CARSON MS4 PERMIT NO. COR042001

1 January 2025 to 31 December 2029



Fort Carson Directorate of Public Works, Environmental Division
Fort Carson, Colorado

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SUMMARY OF CHANGES

Pursuant to Section 2.1.1 of the Fort Carson Municipal Separate Stormwater Sewer System (MS4) Permit (COR042001), the Fort Carson Stormwater Management Plan was reviewed and updated in January 2025. A renewal of the MS4 Permit was issued and took effect of January 1, 2025. This version of the SWMP references the renewed 2025 Permit

The following list documents the changes made to the document during the update:

- Revised to include the updated 2025 MS4 Permit renewal requirements
- Updated Fort Carson Stormwater Management Team
- Removed 2015 MS4 Permit and replaced with 2025 MS4 Permit
- Updated the Measurable Goal Summary to Appendix B
- Updated the Garrison Commander's Policy Letter #17 to Appendix C
- Updated the Annual Reporting Requirements to reflect the 2025 MS4 Permit to Appendix F
- Updated the Delegation of Authority in Appendix G
- Added SOP for CGP Non-Compliance to Appendix H
- Added Appendix I for any public notices and/or meeting pursuant to parts 2.7.1 and 2.7.2
- Added New Monitoring Requirements for PFAS and E. Coli at Wild Horse Creek to Section 3.8

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LIST OF ACRONYMS AND ABBREVIATIONS

ADACG	Arrival and Departure Airfield Control Group
BMP	Best Management Practice
CDPHE	Colorado Department of Public Health and Environment
CFR	Code of Federal Regulations
CGP	Construction General Permit
COR	Contracting Officer Representative
CWA	Clean Water Act
DPW	Directorate of Public Works
ECAT	Environmental Compliance Assessment Team
EPO	Environmental Protection Officer
GC	Garrison Commander
GI	Green Infrastructure
GIS	Geographic Information System
IDDE	Illicit Discharge Detection and Elimination
INRMP	Integrated Natural Resources Management Plan
LID	Low Impact Development
mg/L	Milligram per Liter
MS4	Municipal Separate Storm Sewer System
MSGP	Multi-Sector General Permit
NEPA	National Environmental Policy Act
NOAA	National Oceanic and Atmospheric Administration
NOT	Notice of Termination
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
OWS	Oil/Water Separator
PCMS	Piñon Canyon Maneuver Site
POL	Petroleum, Oil, and Lubricant
RFP	Request for Proposal
SCM	Stormwater Control Measures
SOW	Scope of Work
SPCC	Spill Prevention Control and Countermeasures
SWMP	Stormwater Management Plan
SWPPP	Stormwater Pollution Prevention Plan
TM	Technical Manual
USEPA	U.S. Environmental Protection Agency

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1 INTRODUCTION

This Stormwater Management Plan (SWMP) describes the procedures Fort Carson implements to comply with requirements of the United States Environmental Protection Agency (USEPA) permit number COR042001(Appendix A). This permit provides authorization to discharge stormwater runoff from Fort Carson's Municipal Separate Storm Sewer System (MS4).

This permit does not authorize stormwater discharges associated with industrial activities as defined in 40 Code of Federal Regulation (CFR) § 122.26(b)(14)(i)-(ix) and (xi) or discharges associated with construction activity as defined in 40 CFR § 122.26(b)(14)(x) or 40 CFR § 122.26(b)(15). Piñon Canyon Maneuver Site (PCMS), an off-site training location associated with Fort Carson, is not covered under this permit.

1.1 Background

The Clean Water Act (CWA) requires facilities to reduce, minimize, or eliminate sources of pollution exposed to stormwater runoff. The goals of the CWA are to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. The CWA provides the statutory basis from the National Pollutant Discharge Elimination System (NPDES) permit program and the basic structure for regulating the discharge of pollutants from point sources to the waters of the United States. Section 402 of the CWA specifically required USEPA to develop and implement the NPDES program.

In November 1990, the USEPA implemented the NPDES Phase I stormwater regulations. The Phase I regulations required medium and large MS4s, communities of 100,000 people or more within urbanized areas, to obtain NPDES permits to discharge stormwater runoff to the environment. In 1999, the USEPA initiated Phase II, which required small MS4s (populations of less than 100,000 people within an urbanized area) to obtain NPDES permits to discharge stormwater runoff. The purpose of the Phase II stormwater regulations is to provide a flexible approach for reducing environmental harm caused by stormwater discharges that were not previously regulated.

Fort Carson received a NPDES permit for its non-standard small MS4 in compliance with the provisions of the USEPA NPDES MS4 Phase II requirements. This permit required Fort Carson to comply with the same requirements as other traditional MS4s such as a city or town. While successful in controlling pollutant discharges associated with MS4 stormwater, the small MS4

permit contained requirements and provisions more appropriate to a traditional MS4, not a military installation such as Fort Carson. Coordination with USEPA regarding lessons learned from the implementation and execution of the initial permit resulted in the issuance of the individual permit that currently applies to Fort Carson. The individual permit contains requirements specific to Fort Carson that provide practical and achievable controls to municipal stormwater pollution.

This SWMP describes management practices for the control of pollutants in discharges from the MS4. The management practices prescribed by the permit are divided into six stormwater control measures (SCM). For each SCM, the SWMP details how each is implemented and measured. The six SCMs are:

- SCM-1: Public Education and Outreach on Stormwater Impacts (Section 3.1)
- SCM-2: Illicit Discharge Detection and Elimination (Section 3.2)
- SCM-3: Construction Site Stormwater Runoff Control (Section 3.3)
- SCM-4: Post-Construction Stormwater Management for New Development and Redevelopment (Section 3.4)
- SCM-5: Pollution prevention and Good Housekeeping for Municipal-Type Federal Operations (Section 3.5)
- SCM-6: Public Participation/Involvement (Section 3.6)

The Annual Report tracks the progress of the SWMP implementation and is due to the USEPA on April 1 of each year of permit coverage. The Annual Report covers program specifics from January 1st to December 31st of the prior year Fort Carson conducts an annual review of the SWMP in conjunction with the annual report preparation

1.2 Stormwater Management Plan Revisions

The following table summarizes revisions to the SWMP.

Revision #	Description of Revision	Date	Editor
1	Revised to include the updated 2025 MS4 Permit renewal requirements.	Jan/2025	Stormwater Program Manager
2	Updated Fort Carson Stormwater Management Team	Jan/2025	Stormwater Program Manager
3	Removed 2015 MS4 Permit and replaced with 2025 MS4 Permit	Jan/2025	Stormwater Program Manager
4	Updated the Measurable Goal Summary to Appendix	Jan/2025	Stormwater Program Manager
5	Updated the Garrison Commander's Policy Letter #17 to Appendix C	Jan/2025	Stormwater Program Manager
6	Updated the Annual Reporting Requirements to reflect the 2025 MS4 Permit to Appendix F	Jan/2025	Stormwater Program Manager
7	Updated the Delegation of Authority in Appendix G	Jan/2025	Stormwater Program Manager
8	Added SOP for CGP Non-Compliance to Appendix H	Jan/2025	Stormwater Program Manager
9	Added a document to Appendix I for any public notices and/or meeting pursuant to parts 2.7.1 and 2.7.2	Jan/2025	Stormwater Program Manager
10	Added New Monitoring Requirements for PFAS and E. Coli at Wild Horse Creek to Section 3.8	Jan/2025	Stormwater Program Manager

2 SITE DESCRIPTION

2.1 General

The FC military installation is located in central Colorado. The northern edge is located approximately eight miles south of Colorado Springs in El Paso County. The northern portion of the west boundary is adjacent to Colorado State Highway 115. The southern boundary is approximately 10 miles north of and parallel to U.S. Highway 50 in Pueblo County. A small area in the southwestern portion of the post is located in Fremont County. FC as a whole is divided into three areas. The majority of the developed area at FC is referred to as “the cantonment area.” This area is approximately 220 square miles and includes the majority of the developed footprint (i.e., housing, industrial facilities, offices). The downrange portion of FC is utilized primarily for military maneuvers and is immediately adjacent to the cantonment area. A third area, the Pinon Canyon maneuver site, is not contiguous with the cantonment and downrange areas, and is in Las Animas County approximately 100 miles southeast of FC. The Pinon Canyon site is utilized primarily for large scale military maneuvers. This Permit authorizes stormwater discharges from the contiguous area of FC which includes both the cantonment area and the downrange portions of the Facility. The Pinon Canyon site is not included in this Permit as it does not contain a significantly developed footprint and is not contiguous with the other areas operated by FC.

The primary purpose of FC is to train troops and provide maintenance and support for vehicles and aircraft. Approximately 18,000 soldiers are stationed at FC. In addition, there is a substantial civilian workforce and many soldier families. The MS4 permitted area includes all areas within the exterior boundaries of Fort Carson and is shown in Figure 1.

2.2 Climate

Fort Carson’s climate is characterized as mid-latitude semi-arid with hot summers, cold winters, and light rainfall. Climate data is available for Colorado Springs (www.weather.gov/pub/climateCosPrecipitationRecords). Annual precipitation varies greatly with a maximum annual total in excess of 27.58 inches (in) 1999 and a minimum annual total of 6.07 inches in 1939. The annual precipitation 30-year average is 16.21 inches. The annual all-time average is 15.22 inches, since data recording began in 1895. The majority of the precipitation that falls at Fort Carson is typically between April and August.

2.3 Receiving Waters

Fort Carson is located in the Fountain Creek and Upper Arkansas River watersheds. Fountain Creek discharges into the Arkansas River just south of Fort Carson within the city of Pueblo.

The cantonment area of Fort Carson drains to one of four watersheds on the Installation including B Ditch, Clover Ditch, Infantry Creek, and Rock Creek. These four drainages are all discharged into Fountain Creek off- Installation. Figure 2 shows the Fort Carson installation watersheds. And Figure 3 shows the Fort carson Cantonment Area watersheds.

The Fort Carson streams are identified by the Colorado Department of Public Health and Environment (CDPHE) as warm water, Class 2 Tier for Aquatic Life uses. As of the 2024 reporting year, ten streams are listed as impaired (303D) for recreation: primary contact, with the cause of impairment being *Escherichia coli*. Most of these tributaries are located within the cantonment area and in the northeast portion of the installation. These ten tributaries to Fountain Creek are in the impairment category 5, which means that the water is impaired and total maximum daily loads (TMDL) are required. While no TMDLs have been established in the Fountain Creek Watershed, the Permit Statement of Basis indicates that the permit may be reopened and modified prior to its expiration date to include waste load allocations or specific control measures prescribed in a TMDL.

Additional details regarding impairments may be found in Water Quality Commission Reports and Plans with links to the Integrated Water Quality Monitoring and Assessment Report 2024 and Regulation # 93 at <https://www.colorado.gov/pacific/cdphe/wqcc-reports-and-plans>. Table 2.1 provides a summary of Fort Carson Installation impaired waters. A map of the impaired waterways is provided in Figure 4

Table 2.1 – Impaired Waterways on Fort Carson

Waterbody Identification Number (WBID)	Name	303 D Impairment	Monitoring and Evaluation (ME)
COARFO04	B-Ditch	E. coli	
COARFO04	Infantry Creek	E. coli	FeTrec (Total Recoverable Iron) in section COARFO05_A
COARFO04	Rock Creek	E. coli	
COARFO04	Clover Ditch	E. coli	
COARFO04	Little Fountain Creek	E. coli	SeD dissolved selenium in section COARFO04_C
COARFO02a	Fountain Creek	E. coli	FeTrec (Total Recoverable Iron). Assigned ambient based chronic selenium standard of 8.0ug/L (page 77 of Reg. 93)
COARFO04	Sand Canyon Creek	E. coli	
COARFO04	Crooked Canyon Creek	E. coli	
COARFO04	County Line Creek	E. coli	
COARMA04a	Wildhorse Creek	E. coli	NO2 (Nitrogen dioxide)

Surface water quality standards are set by the Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Commission for the Fort Carson Installation Streams. A summary of parameters excerpted from CDPHE Water Quality Control Commission Regulation No. 31- The Basic Standards and Methodologies for Surface Water 5 CCR 1002-31 is included in Table 2.2.

Table 2.2 – CDPHE Basic Standards and Methodologies for Surface Water (Excerpted from 5 CCR 1002-31)

Radionuclide Standards (ug/L) (pg 31)	Selected Organic Chemicals-water supply (ug/L) (pg 32-41)	Physical and Biological (pg 50)	Inorganics (pg 54)	Metals-aquatic life, acute (pg 57-58)	Nutrients for warm rivers and streams (pg. 66)
Americium 241 ≤ 0.15	Acetone ≤ 6300	Dissolved Oxygen ≤ 3.0-7.0 mg/L	Ammonia=generally 10 PPM or less	Arsenic ≤ 340 ug/L	Phosphorous ≤ 110 ug/L
Cesium 134 ≤ 80	Biphenyl ≤ 4.4	pH 6.5-9.0	total residual chlorine ≤ 0.019	Chromium VI ≤ 16 ug/L	Nitrogen ≤ 1,250 ug/L
Plutonium 239 & 240 ≤ 0.15	Chlorobenzene ≤ 100	e-coli ≤ 126 CFU's /100 mL	cyanide ≤ 0.005 mg/L	Selenium ≤ 18.4 ug/L	Chlorophyll ≤ N/A mg/m
Strontium 90 ≤ 8	DDT ≤ 0.1	temperature for Tier 2 waters (Apr-Oct=18.3 - 24.3 °C) (Nov.-Mar 9.0-13 °C)	Fluoride ≤ N/A		
Thorium 230 & 232 ≤ 60	Fluorene (PAH) ≤ 280		Nitrate=case by case basis		
Tritium ≤ 20,000	Glyphosate ≤ 700		Nitrite= case by case basis		
	Phenol ≤ 2,100		Sulfide H ₂ S ≤ 0.002		
	Vinyl Chloride ≤ 0.023-2.0		Sulfate ≤ 250 mg/L (pg 43)		

For additional information on surface water quality parameters, refer to CDPHE Regulation # 31 at

[https://www.coloradosos.gov/CCR/DisplayRule.do?action=ruleinfo&ruleId=2359&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20\(1002%20Series\)&seriesNum=5%20CCR%201002-31](https://www.coloradosos.gov/CCR/DisplayRule.do?action=ruleinfo&ruleId=2359&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20(1002%20Series)&seriesNum=5%20CCR%201002-31)

2.4 Other Programs Supporting the MS4

Fort Carson is subject to environmental requirements like large MS4s. Other programs supporting these requirements at Fort Carson provide a benefit to the MS4 program goals. Programs most applicable to the MS4 compliance include the Multi-Sector General Permit (MSGP) for industrial stormwater discharges and associated Stormwater Pollution Prevention Plan (SWPPP), the NPDES Construction General Permit (CGP), and the Spill Prevention, Control and Countermeasures Plan (SPCCP).

Industrial stormwater discharges at Fort Carson are regulated by the MSGP. The SWPPP is the compliance document for this permit and provides control measures to reduce pollution from the industrial sites. The Stormwater Program manages five (5) industrial sites regulated under the

MSGP. These sites undergo routine & visual quarterly inspections as well as indicator and benchmark analytical water sampling. These 5 locations are as follows:

- Sector P1: (Land Transportation and Warehousing) – Rail Yard Operations
- Sector S: (Air Transportation) – Arrival and Departure Airfield Control Group (ADACG)
- Sector K: (Hazardous Waste Treatment, Storage and Disposal) – Range 121
- Sector K: (Hazardous Waste Treatment, Storage and Disposal) – Hazardous Waste Storage Facility (HWSF)
- Sector T: (Treatment Works) – Wastewater Treatment Plant (WWTP)

All but two of these industrial sites are located within the MS4 permit boundary. Control measures required by the MSGP and prescribed through the SWPPP support the MS4 Permit's Illicit Discharge Detection & Elimination and Pollution Prevention and Good Housekeeping for Municipal Federal-Type Operations requirements. The SWPPP is available online at:

<https://home.army.mil/carson/Directorate/directorate-public-works/stormw>

Fort Carson administers a construction stormwater program for new development and re-development that has land disturbing activities greater than or equal to an acre of disturbance or is a part of a larger common plan of development or sale that would disturb one acre or more. Construction site operators are required to obtain coverage under the NPDES Construction General Permit (CGP) and develop a site specific SWPPP that effectively manages erosion, sediment transport and impacts from potential pollutants. Construction sites are routinely inspected at a 45-day frequency (as detailed in Section 3.3 of this SWMP) and must be properly stabilized (as per MS4 Permit Section 2.4.5.4.2) prior to receiving a Notice of Termination (NOT) through the USEPA. This program supports the MS4 construction site stormwater runoff control requirements.

A facility-wide SPCCP directs spill prevention and response measures at Fort Carson. Controls implemented through the SPCCP address significant sources of potential pollutants and prevent stormwater from coming into contact with such materials. This program supports the MS4 Permit's Public Education and Outreach and Illicit Discharge Detection and Elimination Requirements. The SPCCP is available upon request.

3 EFFLUENT LIMITS AND MONITORING REQUIREMENTS

Fort Carson complies with the MS4 Permit requirements through existing programs, policies, and procedures. Program goals provide direction and focus on program improvement. The sections below provide a program overview and highlight stormwater program efforts that contribute to SCM requirements. The summary table in Appendix B documents how the stormwater program complies with permit requirements over the permit term.

3.1 Public Education and Outreach on Stormwater Impacts (MS4 Permit § 2.2)

Fort Carson maintains an ongoing public education and outreach program, including training and dissemination of educational materials.

Environmental Protection Officer (EPO) training is the primary environmental training mechanism for military units on the installation. EPOs are the individuals within each military unit responsible for knowing and following environmental rules and regulations. EPOs are trained by the stormwater program and are responsible for training their respective units on stormwater protection. Other groups on the Installation such as civilian employees, contractors, and tenants are also trained with respect to their duties/activities and how they relate to potential stormwater pollutants. Construction contractors are also offered a class in construction stormwater management and the expectations of the Fort Carson stormwater program. The training is triannual and covers BMP's, permitting, SWPPP authoring, and pollution prevention. Attendees receive a certification for the class that goes into the SWPPP notebook.

Training events provide opportunities for the stormwater program to educate the public on stormwater issues and other environmental concerns. Training can be formal or informal and occurs during stormwater outreach events such as Earth Day (removed in 2025) or Make a Difference Day where program representatives have the opportunity to interact with the public and discuss stormwater-related topics.

Training events also provide an opportunity to distribute educational materials, such as the stormwater awareness brochure. The brochure along with other educational materials including community outreach emails social media and the resident's guide provide a mechanism for the program to distribute simple, key messages to a large portion of the public.

3.2 Illicit Discharge Detection and Elimination (MS4 Permit § 2.3)

An illicit discharge is any discharge to the MS4 that is not composed entirely of stormwater.

Permitted discharges include:

- Discharges authorized by a separate NPDES permit;
- Discharges in compliance with instructions of an On-Scene-Coordinator pursuant to 40 CFR part 300 or 33 CFR 153.10.e;
- Landscape irrigation;
- Water line flushing;
- Rising ground water;
- Diverted stream flows;
- Uncontaminated groundwater infiltration;
- Uncontaminated pumped groundwater;
- 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;
- Dechlorinated swimming pool discharges;
- Street wash water;
- Power washing where no chemicals are used;
- Roof drains;
- Non-storm water discharges resulting from a spill which are the result of an unusual and severe weather event where reasonable and prudent measures have been taken to minimize the impact of such discharge; 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.

Fort Carson's illicit discharge detection and elimination efforts include the prevention and prohibition of specific discharges, field screening, and investigation procedures.

Deliberate dumping into the stormwater system is illegal under the federal CWA and is therefore enforceable and punishable by Fort Carson law enforcement officers and outside entities. Additionally, Fort Carson Garrison Commander (GC) Policy #17 requires compliance with SWMP requirements relating to elimination of illicit discharges. GC Policy #17 is included as Appendix C to this SWMP. This policy serves as an internal regulatory mechanism for enforcement, if needed. The SPCCP guides the response actions to unintentional spills or leaks. Storm drain stenciling as well as hazardous waste collection efforts work towards prevention of illicit discharges, in addition to the prohibitory mechanisms.

Fort Carson conducts an annual Illicit Discharge Survey which includes dry weather field screening at the four major cantonment drainages within Fort Carson (B-Ditch, Clover Ditch, Infantry Creek, and Rock Creek) to investigate for illicit discharges. These drainages are walked and physically inspected, looking for illicit discharges through pipes, seeps, or other suspect flows. Tools to help personnel identify potentially illicit discharges include field test kits to determine chemical characteristics (such as pH or nutrients) and the storm sewer map, which shows base infrastructure in addition to other items required by the permit. This map is maintained by the Fort Carson GIS. Field personnel utilize this map for source tracking potential discharges.

Fort Carson conducts various types of system investigations including collection system surveys, oil water separator surveys, sanitary sewer inflow and infiltration surveys, and smoke tests. These surveys investigate system connections and functionality; and provide another mechanism for identifying potential illicit discharges and cross connection contamination.

Information regarding spill cleanup procedures and illicit discharges can be found on the Stormwater Program's webpage at: <https://home.army.mil/carson/Directorate/directorate-public-works/stormw>. 911 is used to report emergency situations involving spills and leaks over five (5) gallons in volume. The spill line is for spills less than five (5) gallons in volume.

The IDDE program overlaps with the Public Education and Outreach program and the P2 Program through several initiatives. The EPO course educates individuals on key areas

including reporting spills, preventing illicit discharges, proper POL handling and personally owned vehicle (POV) maintenance.

Per updated regulations in the 2025 MS4 Permit, Fort Carson investigates potential illicit discharges within 48 hours of detection and takes action to eliminate the source within 45 days. The USEPA is notified if elimination efforts are expected to extend past 45 days.

3.3 Construction Site Stormwater Runoff Control (MS4 Permit § 2.4)

Construction site stormwater runoff at Fort Carson is managed through physical and administrative control measures, SWPPP approvals, open communication with project managers, CORs and SWPPP administrators and a routine 45-day compliance inspection.

The EPA requires NPDES Construction General Permit (CGP) coverage for construction sites disturbing greater or equal than 1 acre of soil or for sites that meet this criterion through part of a larger project. This requirement is a federal regulation enforced by GC Policy #17 which requires compliance with the CGP. Prior to the 2025 MS4 permit renewal, Fort Carson Stormwater Program also required sites with less than 1 acre disturbance to implement BMPs to control sediment and prevent erosion. While this is still pertinent, the MS4 has expanded this section and requires Fort Carson to hold construction site operators to the same standards regardless of if they're regulated under the Construction General Permit (CGP).

Fort Carson reviews projects prior to ground disturbance to ensure erosion and sediment controls are included in the project plan and appear to be sufficient. The review includes a National Environmental Protection Act (NEPA) clearance of the Scope of Work (SOW) prior to the project approval, and a review and acceptance of the site-specific SWPPP, and review and acceptance of the Environmental Protection Plan (EPP). These review processes ensure the contract includes requirements to follow the CGP and controls sediment and erosion from the construction site. This process also allows the contract to be used as an enforcement mechanism if sites do not comply with CGP requirements and installation specifications. Approved review forms are required to be included in the on-site SWPPP. A formal review form is used when reviewing project SWPPPs and can be found in Appendix D.

CGP permitted operators are required to comply with a site inspection frequency dependant on time of year and current phase of the project. These inspections must be conducted by

personnel who have completed a formal stormwater training program. As mandated by the MS4 permit, the Stormwater Program conducts compliance oversight inspection of active and post-construction sites a minimum of every 45-days. The Fort Carson construction inspection procedures and inspection form are included in Appendix D.

When the project site is stabilized and the operator has achieved the final stabilization criteria as outlined in section 2.4.5.4.2 of the CGP, the Stormwater Program will conduct a final Notice of Termination (NOT) inspection, before the contractor submits a formal request for a NOT through the USEPA. The Fort Carson NOT Inspection Form is included in Appendix D.

3.4 Post-Construction Stormwater Management for New Development and Redevelopment (MS4 Permit § 2.5)

Post-construction BMPs are installed to prevent or minimize water quality impacts on new and re-development projects. Fort Carson follows the Army Low Impact Development (LID) Guidance to implement such requirements.

Post-construction BMPs are selected by the design engineer based on project design and site characteristics. Various types of BMPs are utilized to achieve predevelopment runoff conditions. Permanent Stormwater Control Measures (PSCM) typically used on Fort Carson can include full spectrum detention basins, infiltration basins, rock check dams, bioretention basins, vegetated swales, sand filters, and permeable pavers; however, alternatives may be considered as site conditions dictate. Fort Carson implements similar BMP features to prevent or minimize water quality impacts if predevelopment hydrology requirements are impracticable.

Procedures discussed in the construction site stormwater runoff control section also support the implementation of post-construction controls. NEPA reviews discussed in Section 3.3 ensure post-construction BMPs are addressed in the SOWs and are considered in site design. Per updated requirements in section 2.5.1 of the 2025 MS4 Permit, new project contracting documents must include specific line items geared towards the implementation and success of PSCMs, to include, but not limited to fulfilling the final stabilization criteria listed in the CGP. Contract SOW reviews also ensure contractors submit project as-builts upon project completion prior to the stormwater program signing the NOT. The site specific SWPPP is also reviewed to ensure PSCMs are implemented and designed with good engineering practices

Construction contractors are responsible for post-construction control measure maintenance for one year from the date of turnover to Fort Carson. The Fort Carson maintenance contractor tracks BMPs and turnover dates in the event a BMP is not fully operational. After the one-year warranty period expires, routine maintenance is carried out through a services contract. Outlet structures of post-construction BMPs are included in the routine preventative maintenance schedule. Existing post-construction control measures are inventoried, and maintenance is tracked through the GIS Department and the Stormwater Program. Per section 2.5.8 of the MS4 Permit, all new PSCM's turned over to Fort Carson after the start date of the MS4 Permit are inspected on an annual basis

3.5 Pollution Prevention and Good Housekeeping for Municipal-type Federal Operations (MS4 Permit § 2.6)

Operations and Maintenance (O&M) of base infrastructure is primarily conducted by the installation's maintenance contractor. Fort Carson's housing areas are maintained through a separate contract. Depending on the location, each contractor is responsible for the maintenance of streets, parking lots, their maintenance/storage yards, waste transfer stations, their maintenance shops, snow disposal, and salt/sand storage. These contractors conduct maintenance using preventative maintenance schedules. Installation staff and residents are encouraged to submit work and/or service orders which will dispatch said contractors to respond. Street sweeping, storm drain, and oil/water separator cleanouts are examples of maintenance performed on a set schedule. Emergency road repairs or cleaning out of a post-construction BMP after a large rain event are examples of maintenance performed via work or service order.

Military specific vehicle and equipment maintenance yards (such as motor pools) maintained by military units. Maintenance schedules are determined by Technical Manuals (TMs). These areas are also included in the Fort Carson MSGP program, which prescribes good housekeeping control measures. The Pollution Prevention Program Manager conducts routine assessments of parking lots throughout the installation. These assessments are done to identify and target sources of pollutants that may impede water quality and stream health.

The Environmental Compliance Assessment Team (ECAT) monitors the overall majority of vehicle and equipment maintenance areas used by uniformed personnel and civilians on Fort

Carson. The installation is parceled out and assigned to an ECAT member. This allows Fort Carson to provide real-time support on the ground. Besides assessing and monitoring, ECAT conducts on the spot training, tailgate talks and is heavily involved in the EPO course discussed in section 3.1 of this SWMP. Education and outreach is an often-used administrative control measure and a large component of the Pollution Prevention Program. Several avenues of approach are used throughout the year to fulfill MS4 Permit requirements

3.6 Public Participation / Involvement (MS4 Permit § 2.7)

Fort Carson involves the public in the stormwater program and encourages participation by hosting stormwater related events and providing stormwater related information.

Past events held by the stormwater program have included Make a Difference Day and Installation Clean-up Days. In July 2024, the Stormwater Program invited local stakeholders within the Fountain Creek Watershed to visit Fort Carson and learn about the existing water infrastructure. These events engage the Fort Carson public and provide an opportunity for applied learning at potentially impacted areas. Make a Difference Day typically involves volunteer staff working in conjunction with stormwater program representatives to clean up trash in drainage areas within the cantonment area. The stormwater program utilizes this event to educate volunteers about how the pollution they are seeing impacts water quality, and what can be done to prevent it. Installation Clean-up Days involve military units pursuing Good Housekeeping practices in their assigned work areas and surrounding areas.

The stormwater program also engages the public by making stormwater related documents (this SWMP and related Annual Reports) and public notices available for the public's review. This informs the public about the stormwater program's goals and progress towards those goals. The public can view this SWMP document on the Stormwater Program's webpage and leave comments applicable to it or any other stormwater concerns, such as illicit discharges or failing to implement control measures.

3.7 Measurable Goal Summary

The permit requirements are primarily achieved through the Stormwater program's procedures. To achieve these requirements, goals were created to provide direction and continued focus on program improvement. These measurable goals are summarized by SCM in Appendix B.

3.8 Monitoring Requirements

The FC Stormwater Program follows a detailed annual schedule to fulfill monitoring requirements pursuant to the MS4 Permit and MSGP.

Indicator Monitoring

For MSGP specific industrial sectors, (P1, S, K & T), the stormwater program conducts discharge monitoring for pH, Total Suspended Solids (TSS) and Chemical Oxygen Demand (COD) on a quarterly basis and discharge monitoring for Polycyclic Aromatic Hydrocarbons (PAHs) bi-annually.

Benchmark Monitoring

For each sector specific activity, the Stormwater Program monitors benchmark thresholds, through analytical sampling. Individual analytes required to be monitored vary with each permitted site. This information can be found in Part 8 of the FC MSGP

Impaired Waters

Fountain Creek is listed as a 303(d) for E. coli. FC is required to conduct sampling from 5 MSGP site on an annual basis

Semi-Annual Water Quality Sampling Report

Sampling is conducted twice per year as part of an ongoing monitoring program. Grab samples are taken from 4 drainages within the cantonment area. Five (5) upstream and four (4) downstream outfalls are sampled using specific methodologies and analytical parameters. This bi-annual report is available on request

Illicit Discharge and Qualitative Assessment Report

An annual survey is carried out by walking the entire length of the four primary drainages on FC. A dry weather screening survey visualizes drainages and outfalls from the furthest point upstream to the location where it exits the installation's boundary

Polyfluoroalkyl Substances (PFAS) Monitoring

Beginning in MS4 Permit year 2, the Stormwater Program will be required to complete quarterly sampling for PFAS at four (4) specific outfalls, where PFAS containing compounds, to include Aqueous Film-Forming Foam (AFFF) was historically used

Inventory of Potential *E. coli* Sources:

Beginning in the first year of the 2025 MS4 Permit, FC must identify potentially significant sources of *E. coli* attributable to human activity within the MS3 that drains to Wildhorse Creek segment COARMA04A. If new development or redevelopment within this drainage area that disturbs equal

to or greater than one acre, FC must establish a sampling protocol for outfall identified as draining to Wildhorse Creek.

4 RECORDKEEPING AND REPORTING

4.1 Recordkeeping

Section 4.1 of the permit requires the retention of the following records:

- All calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation,
- Copies of all reports and documents required by this permit,
- A copy of the NPDES permit, and
- Records of all data used to complete the application for the permit

These records must be retained for a period of at least three years from the date of the sample, measurement, report, or application; or for the term of the applicable permit, whichever is longer. This period may be extended by request of the USEPA at any time. Records only need to be submitted to USEPA when requested.

Recordkeeping required by SCMs are retained in tracking documents maintained on the internal DPW R Drive. The trackers maintained in R Drive include:

- Education and Outreach / Public Involvement/Participation Activities (SCM 1/SCM 6)
- Illicit Discharge Reports (SCM 2)
- Spill Reports (SCM 2)
- Multi-sector General Permit Inspections and Visual Assessments
- Multi-sector General Permit Analytical Sampling Results
- Construction General Permit Inspections (SCM 3)
- Low Impact Development Feature Inspections (SCM 4)

The permit requires a description of this SWMP (including a copy of the permit language) to be retained at a location accessible to USEPA. Fort Carson complies with this by maintaining this SWMP at the DPW Environmental Division Office and providing a copy of the SWMP on the Fort Carson Stormwater Program website.

4.2 Annual Report

Annual reports reflect the management and compliance of the previous permit year and must be submitted to USEPA by April 1 of each year in the permit term. The first report under the 2025 MS4 Permit will be submitted by April 1, 2026.

Annual reports detail information required by the permit, including general and SCM-specific information. The requirements for the annual report are included in Appendix F:

4.3 Planned Changes

Separate from annual reporting requirements, Fort Carson must give notice to USEPA as soon as possible of any planned physical alterations or additions to the permit. Such notice is required only in the following circumstances:

- The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in the permit
- There are any planned substantial changes to the existing sewage sludge facilities, the manner of its operation, or to current sewage sludge management practices of storage and disposal. The permittee shall give the Director notice of any planned changes at least 30 days prior to their implementation
- The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source.

Note - The complete list of required notices can be found in Section 6 of the MS4 Permit

5 STORMWATER PROGRAM REPRESENTATIVES

The Stormwater Program Manager is the primary contact for issues and questions regarding this SWMP and the program. The Stormwater Program Manager can be reached via phone at 719-725-8073 or via email at usarmy.carson.imcom-central.list.dpw-ed-storm-water@army.mil or andrew.s.rippe.civ@army.mil

The Stormwater Pollution Prevention Team is comprised of other individuals with stormwater-related responsibilities. These individuals are shown in the table below:

Table 5.1: Stormwater Pollution Prevention Team

Staff Titles	Individual Responsibilities
Stormwater Program Manager	Program management and oversight; final reviewer and approver for management plan (SWMP, Industrial SWPPP) development, implementation, and modifications; reviewing sampling and inspection reports; water quality data interpretation; coordination with other team members and other departments. Stormwater Program Manager is the primary contact for the USEPA and has the delegated signature authority to sign inspection forms and discharge monitoring reports.
Water Quality Specialist & the Environmental Service Contract	Water quality sampling, program support, illicit discharge survey, facility inspections, visual & routine sampling, coordination between other departments and other technical tasks to support the overall program
Environmental Compliance Assessment Team (ECAT)	Facility inspections, coordination with motor pool facility managers, addressing corrective actions

Signature authority for all reports and associated information requested by the USEPA for stormwater permits, with the exception of the permit applications themselves, has been delegated by the Garrison Commander to the Director of Public Works on November 25, 2024. The memorandum is effective until superseded or rescinded and is included as Appendix G to this SWMP.

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FIGURES

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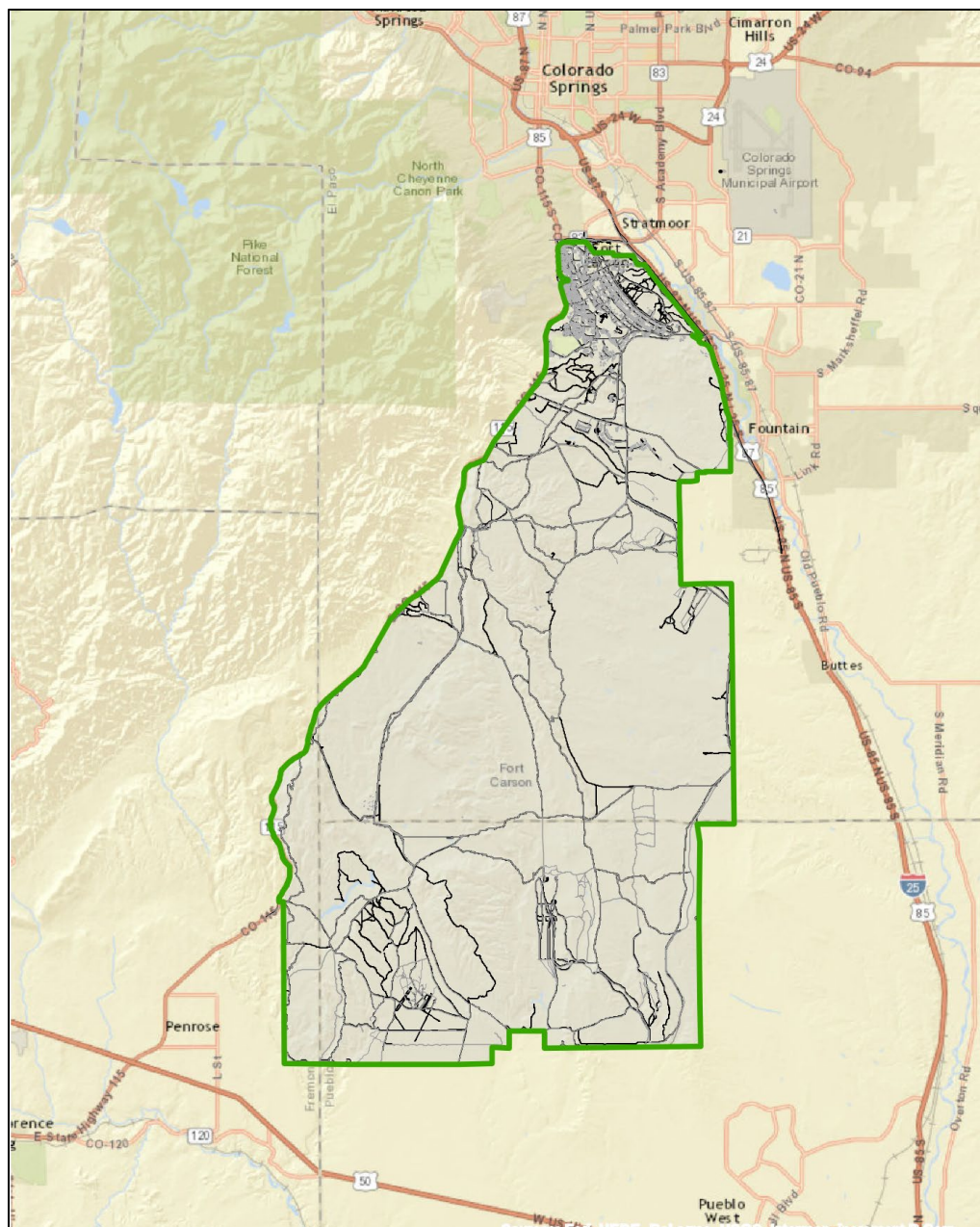


Figure 1_ Fort Carson Installation Site Map

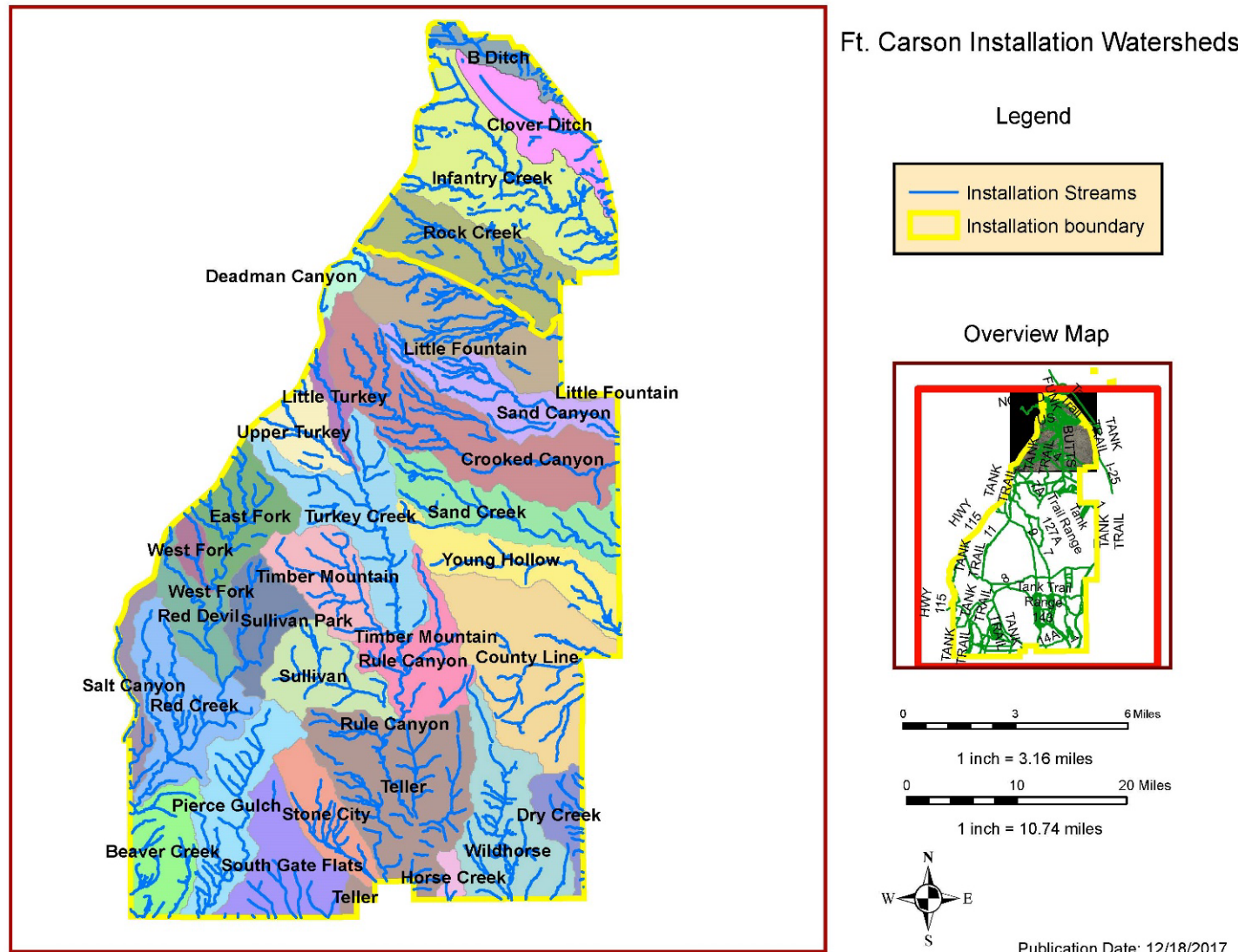


Figure 2 _ Fort Carson Installation Watersheds

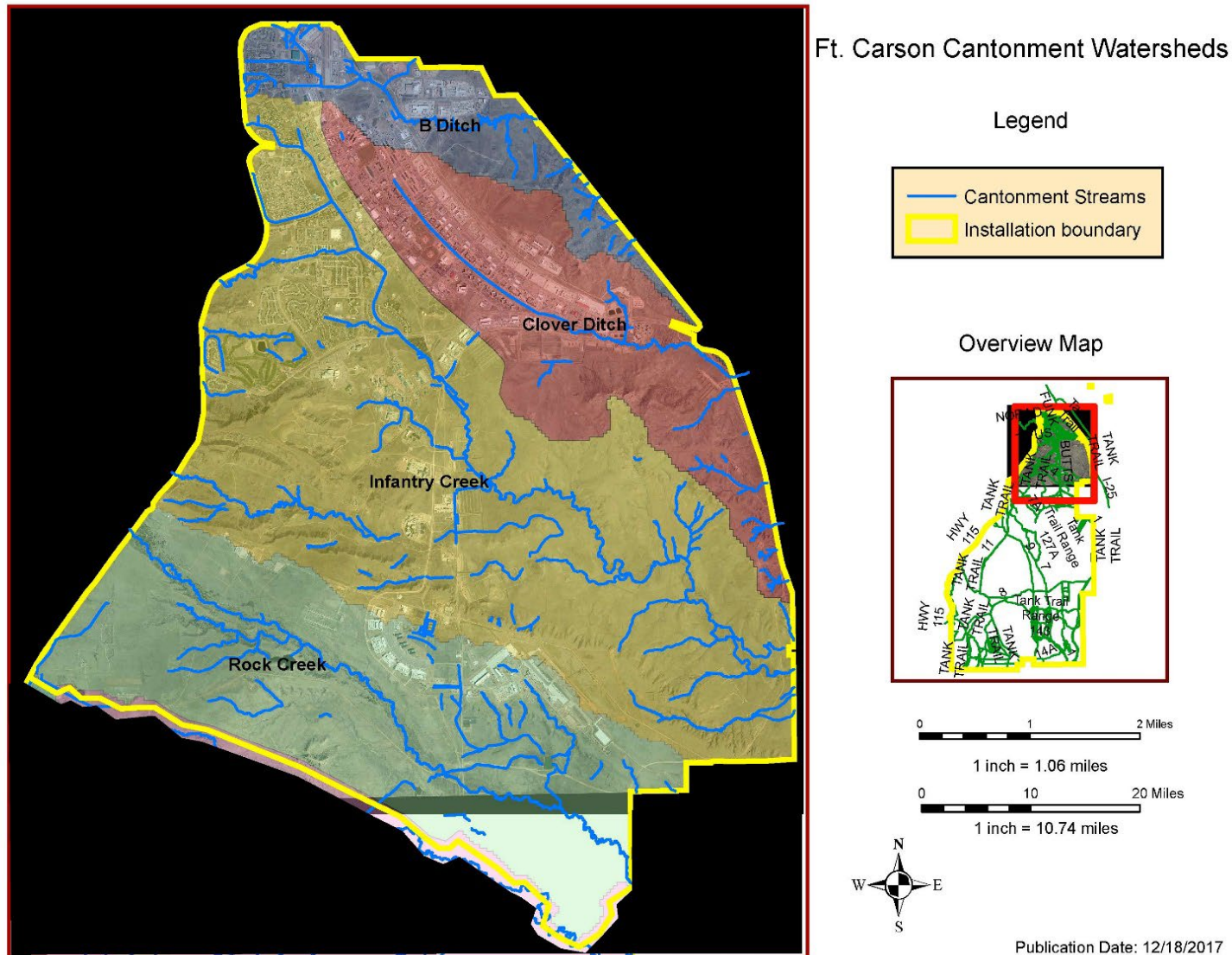


Figure 3 _ Fort Carson Cantonment Watersheds

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APPENDICES

APPENDIX A

Fort Carson MS4 Permit No. COR042001, (1 January 2025)

(The entire 2025 MS4 Permit is available at:

<https://home.army.mil/carson/Directorate/directorate-public-works/stormw>

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Permit No. COR-042001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 WYNKOOP STREET
DENVER, COLORADO 80202-1129

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. § 1251 et seq; “the Act”),

The United States Department of the Army

is authorized to discharge from all portions of the municipal separate storm sewer system within the exterior boundaries of Fort Carson,

to **Fountain Creek, Wildhorse Creek, Arkansas River** and other associated waters of the United States within the exterior boundaries of Fort Carson in the City of Fort Carson, El Paso County, Colorado, latitude 38.7434° N and longitude 104.7879° W

in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This Permit shall become effective January 1, 2025

This Permit and the authorization to discharge shall expire at midnight, December 31, 2029

**STEPHANIE
DEJONG** Digitally signed by
STEPHANIE DEJONG
Date: 2024.11.18
10:40:17 -07'00'

Authorized Permitting Official

Stephanie DeJong, Manager
Clean Water Branch

MUNICIPAL STORMWATER (Rev.11/2020)

APPENDIX B

Measurable Goal Summary

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Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.2.1	Define target audiences to be reached by the Public Education and Outreach Program which include at a minimum but are not limited to grounds maintenance personnel, facility managers, non-staff residents, contract managers, workers engaging in industrial activities, and food service personnel. The program must provide education and outreach about the impacts of stormwater discharges on local water bodies and the steps that can be taken to reduce pollutants in stormwater runoff.	<p>Through the Public Education & Outreach (PE&O) Program, Ft. Carson engages personnel from several operational areas. The most significant target audiences are:</p> <ul style="list-style-type: none"> • Installation Services Contractor – Conducts majority of maintenance from, grounds and stormwater infrastructure to general housekeeping. • Uniformed Personnel – Operates in locations where the potential for pollutants entering the MS4 is greater. • Construction Site Contractors – Contribute to erosion and sedimentation which have the potential to enter the MS4. <p>Other target audiences include operators of Ft. Carson's Industrial MSGP sites, residential housing, barracks parking areas and dining facilities</p>	Ongoing
2.2.2	At a minimum, disseminate informational material to the defined target audiences on both the general water quality goals of the Permit and provide education specific to the target audiences defined in Part 2.2.1 which discusses the stormwater management program, addresses their 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.	<p>The PE&O Program uses several types of informational material to target audiences throughout the permit year.</p> <ul style="list-style-type: none"> • Stormwater Awareness Brochure – disseminated throughout the year during trainings, environmental events and other opportunities • Pollution Prevention (P2) Poster – Distributed to many outlets throughout the installation to include, but not limited to, motor pools, maintenance shops, industrial sites and access gates • P2 Times – A quarterly online newsletter that is distributed to staff, residents and uniformed services throughout the installation. • Spill Response Poster – This poster, is distributed along with the P2 poster. It includes a QR Code for direct access to the Ft. Carson Spill Report. <p>Winter Maintenance BMPs flyer – given to the grounds services contractor to give awareness of pollutants from de-icing materials/procedures</p>	Ongoing and as needed

Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.2.3	Provide and document annual training to building managers, maintenance workers, and tenants on how to minimize, report, and recognize spills and illicit discharges. This training may be incorporated into a larger program to educate tenants and building managers related to environmental compliance or environmental awareness.	<p>The PE&O Program conducts several types of training opportunities to target audiences throughout the permit year.</p> <ul style="list-style-type: none"> • EPO Course – This training is conducted quarterly and targets personnel and facility managers operating in motor pools and maintenance facilities. • Stormwater Construction Training – Curriculum includes CWA background, CGP compliance, SWPPP writing, erosion & sediment controls, spills and P2. • Facility Managers Course – The ECAT addresses illicit discharge identification and spill response procedures during this course • P2 Program trains all food service facilities on proper disposal procedures of used cooking oil. 	<p>Quarterly at a minimum</p> <p>Semi-Annually</p> <p>Quarterly at a minimum</p>
2.2.4	Provide and document the grounds contractors or other parties responsible for pesticide and herbicide application with training related to the requirements for NPDES permitting and 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	<p>Pesticide and herbicide applications are conducted through an outside certified contractor. The Natural Resources Branch tracks and regulates herbicide and pesticide usage and monitors the handling and storage. They ensure that only a certified contractor applicator is used.</p> <p>The Natural Resources Branch provides training on pesticide and herbicide management during the quarterly EPO course.</p>	<p>Quarterly</p>
2.2.5	Nutrients: As part of their public education program, the Permittee must specifically address the reduction of water quality impacts associated with nitrogen and phosphorus in discharges from the MS4. This program component must address both nitrogen and phosphorus.	<p>The Stormwater Program coordinates with the P2 Program Manager to target sources that contribute to excessive nutrients in stormwater discharges.</p> <ul style="list-style-type: none"> • Golf Course grounds keepers and maintenance personnel • Installation grounds: open spaces and facility common areas • Installation housing: open spaces and common areas <p>Flyers that address the fertilizer application, proper pet waste cleanup and disposal of leaves and yard waste are distributed to these targeted sources as part of education and outreach initiatives.</p>	<p>Ongoing. At least once annually</p>

Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.2.6	The annual report and SWMP (See Part 4.2) must document the following information related to public education and outreach:	Complete required documentation for the Annual Report as detailed in Section 4.2 and Appendix F of the SWMP	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.3.1	Implement a program to detect and eliminate illicit discharges into its MS4. The program shall include procedures for detection, tracing and identification of sources, and removal of non-stormwater discharges from the storm sewer system. This program shall address dry weather discharges and illegal dumping into the storm sewer system and include training for staff on how to respond to reports of illicit discharges	The FC Stormwater Program conducts an annual Illicit Discharge and Qualitative Assessment Report. This report is a survey that analyzes the primary drainages of Fort Carson by walking the entire length of the drainages from furthest point upstream to where the drainage exits FC. This survey is conducted during dry weather to identify, trace and implement remediation of potential illicit discharges. Training on Illicit Discharge response and reporting is covered during the EPO Course and the Facility Management Course	Annually
2.3.2	Maintain and implement 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 shall include a description of the range of actions to be taken by the Permittee in response to an illicit discharge.	Fort Carson uses GC Policy #17 to address non-stormwater discharges. This policy requires installation staff, housing tenants, construction activities, contracting offices and contractors to comply with SWMP requirements that address elimination of illicit discharges, construction site runoff control and post-construction site runoff control. This policy addresses potential sanctions for violations and may include, but are not limited to: <ul style="list-style-type: none"> • Contract Payment Withholding • Indemnification of Government Costs • Contract termination • Stop-work orders GC Policy #17 is reviewed annually and updated as needed.	Implement as needed
2.3.3	Provide a mechanism for reporting illicit discharges to the Permittee and disseminate this mechanism (e.g., phone number, email address, etc.) on any outreach materials as appropriate. For each of the illicit discharges identified by the target audience or the Permittee, the Permittee shall document a brief description that outlines how that illicit discharge was identified, and the procedures taken to characterize and/or eliminate the illicit discharge.	Illicit Discharges are reported by the public through the Environmental division Spill Line at (719) 526-0973. The FC Stormwater program Webpage provides an email address for reporting as well. IDs identified in the Annual assessment report are described and given a priority number (1-3). Newly reported IDs are investigated within 48 hours and procedures to identify and eliminate the sources begin immediately.	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.3.4	Provide emergency spill contact information to all building managers, project managers, and tenants.	<p>Spill response and contact information is provided throughout FC using the following methods:</p> <ul style="list-style-type: none"> • Spill response posters w/ QR code to Spill Report Template • Contractors must provide spill plans w/ emergency contact information in the site SWPPP and/or Env. Protection Plan. • FC Stormwater Webpage provides information on illicit discharges and how to report them • Facility Managers Course provides pertinent information on emergency spill response 	Ongoing
2.3.5	Investigate any illicit discharge within two (2) business days of its detection and take action to eliminate the source of the discharge within forty-five (45) business days of its detection (or obtain permission from the delegated EPA official for such longer periods as may be necessary in particular instances). If illicit discharges can be determined through sampling and analysis to be allowable non-stormwater discharges as defined in Part 1.4.2 of the Permit (e.g., uncontaminated groundwater, foundation drains), then elimination of the source of the discharge may not be appropriate.	<p>Inspect illicit discharge within 2 days of detection. Inspection may include field testing or field investigation using maps to trace the storm sewer line up gradient to identify the source of the discharge.</p> <p>Take actions to eliminate the source of the discharge within 45 days of detection. These actions are specific to the discharge and the source. If a particular instance does not allow Fort Carson to comply with this timeframe, the USEPA will be notified to request permission for an extension.</p> <p>Illicit Discharges deemed suspect for the potential of pollutants are screened for pH, Nitrates, Nitrites and Phosphate using field test strips</p>	<p>Within 2 days of detection.</p> <p>Elimination within 45 days</p>
2.3.6	Maintain an information management system which tracks dry weather screening efforts, illicit discharge reports, enforcement actions, and the location and any remediation efforts to address identified illicit discharges.	<p>Fort Carson has separate information management systems for these instances:</p> <ul style="list-style-type: none"> • Dry weather screening is tracked through the IDDE Survey • Illicit Discharges are tracked through a spreadsheet found on the Fort Carson R Drive <p>Enforcements are addressed individually per site specific instance</p>	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadlines
2.3.7	Conduct dry weather screening annually at each or the major outfalls for the presence of non-stormwater discharges and to determine if there are significant erosion issues which need to be addressed. 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.	<p>The FC Stormwater Program conducts an annual Illicit Discharge and Qualitative Assessment Report. This report is a dry weather screening that analyzes the primary drainages of Fort Carson by walking the entire length of the drainages from furthest point upstream to where the drainage exits FC. Each drainage system is visually assessed for illicit</p> <p>discharges, erosional features, bank stability, sedimentation issues, and infrastructure and maintenance practices.</p> <p>This survey is conducted during dry weather to identify, trace and implement remediation of potential illicit discharges.</p> <p>Illicit Discharges deemed suspect for the potential of pollutants are screened for pH, Nitrates, Nitrites and Phosphate using field test strips</p>	Annually
2.3.8	Develop and maintain an updated map of the stormwater drainage system within the permitted areas showing the location of all outfalls and the names and location of all waters of the United States that receive discharges from those outfalls.	The FC DPW_GIS department maintains a map of the MS4 permitted areas. This map depicts locations of all stormwater infrastructure to include inlets, outfalls, receiving waters, underground lines and above ground drainage swales/conveyances.	Ongoing
2.3.9	The annual report and SWMP (See Part 4.2) must document the following information related to illicit discharge detection and elimination:	Complete required documentation for the Annual Report as detailed in Section 4.2 and Appendix F of the SWMP	Ongoing
2.3.10	PFAS Discharge Reduction BMP: Describe in the SWMP practices/measures for immediately cleaning up Aqueous Film Forming Foam (AFFF) anytime it is used, including during emergency firefighting and training activities, as best as possible using diversions and other means to try to prevent discharges to receiving water	AFFF is not an ingredient stored in or used by FC fire fighting vehicles. The only facilities on FC where AFFF has a potential for release is on Butts Army Airfield (BAAF). If the fire suppression system in these facilities is activated, the release of AFFF is drained and captured through a specific industrial sewer line that discharges the chemical into a lined detention pond. This pond is regularly inspected and emptied to allow sufficient volume for such a case that AFFF is released.	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.4.1	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.	<p>Enforcement to reduce pollutants in stormwater runoff is a multi-faceted approach. The FC SW Program uses the following:</p> <ul style="list-style-type: none"> Projects in the planning phases undergo comment periods where the SW program will recommend and discuss permanent control measures and other infrastructure improvements to treat runoff before it leaves the site. Projects over 1 acre in scope or part of a larger common plan of development must develop a site specific SWPPP that goes through a full review process to ensure proper control measures and good engineering practices are used. Contractors are required to obtain a Notice of Intent (NOI) through the USEPA. From that point, the project is permitted under the NPDES Construction General Permit (CGP). To comply with the CGP, sites undergo routine inspections carried out by the contractor and more stringent compliance inspections conducted by the FC SW Program every 45 days. Communication and general oversight are key components of the program. Contractors and contracting representatives are reminded of compliance concerns and procedures relevant to project closeout, on a regular basis. <p>All projects that operate under the CGP require a Notice of Termination (NOT) inspection before it can file for closeout with the USEPA. This final inspection ensures final gradients and stabilization are intact and all permanent control measures are properly installed to reduce pollutants from leaving the site as intended.</p>	Ongoing with each new project
2.4.2	Provide and document training to contracting office representatives 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.	The FC Stormwater Program holds a Construction Stormwater Training Course on a semi-annual basis. Depending on field observations, this course may be offered more than twice a year. This training course is given to all contractors and SWPPP administrators who carry out the required inspection per the CGP. It is also offered to Contracting Officers (COR) and Project Managers (PM) who have roles in overseeing regulatory compliance during construction. This course focuses on managing the site SWPPP and the requirements to effectively comply with the NPDES Construction General Permit (CGP).	Ongoing. Conducted at least semi-annually

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.4.3	Maintain a list of policies and/or procedures which shall be used to enforce construction site compliance within the Permittee and implement procedures for documenting deficiencies in contract performance based on compliance with construction stormwater regulations.	<p>Enforcement of non-compliance on construction sites is a step-by-step procedural process outlined in the "SOP for CGP Non-compliance" document.</p> <ul style="list-style-type: none"> Enforcement begins with inspection reports. The reports itemize known deficiencies and allows the contractor up to 7 days to remedy any concerns. After this time, if corrective actions have not been implemented, the SW Program will issue a Memorandum for Record (MFR) to serve as a second notice of non-compliance. If the operator does not correct the issues, the Environmental Compliance Division will escalate non-compliance to the Division Chief, at which point, GC Policy #17 will be implemented. <p>GC Policy #17 carries potential sanctions for violations that may include but are not limited to: Contract withholding, indemnification of Government costs, Contract termination and Stop-work orders.</p>	Ongoing
2.4.4	The program must be developed and implemented to ensure adequate design, implementation, and maintenance of BMPs at construction sites within the MS4 to reduce pollutant discharges and protect water quality and compliance with the EPA General Permit for Discharges from Construction Activities	This assurance process begins with the SWPPP Review. BMP design specifications must cite reputable sources such as the Mile High Flood District or the El Paso County Drainage Criteria Manual. The Stormwater Program personnel are trained and certified to inspect for proper design, implementation and maintenance of BMPs used on construction sites that are permitted under the CGP.	Ongoing
2.4.5	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.	<p>All potential SW control measures are reviewed during the SWPPP review process to ensure the practicality and appropriateness of their purpose.</p> <p>The Stormwater Program personnel are trained and certified to inspect for proper design, implementation and maintenance of BMPs used on construction sites that are permitted under the CGP.</p>	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.4.6	Review the site plan 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.	<p>Site plans are reviewed by the SW Program a minimum of two times before land disturbing activities commence:</p> <ul style="list-style-type: none"> • During the NEPA Review • During the SWPPP Review <p>Site plans are also reviewed by engineering personnel and are routinely reviewed as part of the ongoing compliance site inspection frequency</p>	Ongoing
2.4.6.1 – 2.4.6.4	<ul style="list-style-type: none"> • Initial SWPPP Review • Construction SWPPP Revisions • Routine Inspection • Maintain Inspection records 	<p>This range of sections from the 2025 FC MS4 Permit is largely complementary to the requirements outlined in the 2022 Construction General Permit. These MS4 permit requirements are fulfilled during the several layers of the review processes that are conducted throughout the life of a project.</p> <p>For Projects under 1 acre in scope, an Environmental Protection Plan (EPP) is required. This document provides general contact information, guidelines on SW control measures and Spill Response procedures.</p> <p>Whether a project is over or under 1 acre in land disturbance, the SW Program strives to comply with the CGP requirements and section 2.4 of the FC MS4 permit.</p>	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.4.7	Maintain and utilize a closure process whereby environmental staff or contracting office representatives 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.	<p>The SW Program strives to ensure that all projects with land disturbing activities address stabilization before project closeout.</p> <p>Per Construction General Permit section 2.2.14.C, each construction site is required to establish uniform perennial vegetation (or non-vegetative stabilization if applicable) on all areas disturbed by construction activities.</p> <p>Before a project that is permitted under the CGP can file for a Notice of termination (NOT) with the USEPA, the FC Stormwater program conducts a final NOT inspection. During this inspection, SW personnel evaluate whether 70% native, perennial vegetative cover is presence. A project will not be permitted to close out with fulfilling this criterion.</p>	Ongoing
2.4.8	The annual report and SWMP (See Part 4.2) must document the following information related to construction site stormwater runoff control:	Complete required documentation for the Annual Report as detailed in Section 4.2 and Appendix F of the SWMP	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.5.1	Include in contracts and requests for funding (e.g., a “prospective package”) a requirement to design for and provide funding for the installation of permanent stormwater control measures. This should include a line item for costs associated with the installation and design of permanent stormwater control measures. See 2.5.9.3 Compliance Schedules for existing projects.	<p>The Stormwater Program does not typically have a role in contract generating for new projects. There is standard language that goes into every contract pertaining to site compliance and final stabilization.</p> <p>The Stormwater Program has held meetings and consultations with the contract writing entities on FC. The Army Corps of Engineers and the DPW Division of Engineering are aware of the MS4 Permit requirements.</p>	Upcoming Projects
2.5.2	As part of the design review process for all new development and redevelopment 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 Control Measure Design Standards defined in Part 2.5.9.	<p>Contract language ensures that plans are built to the specifications of the engineered construction plan. Control measures are designed based on current and historical data. Hydraulics and Hydrologic (H&H) Studies along with Manning's equation are used to calculate WQCV for the detention and infiltration of control measures.</p> <p>The stormwater program carries out inspections to assess the installation, implementation and maintenance of the control measure</p>	Pre and Post Construction
2.5.3	For all new development and redevelopment construction projects which will disturb one acre or greater of land, including projects less than one acre that are part of a larger common plan of development or sale, meet with appropriate city, county, and/ or drainage district staff to discuss recently constructed or proposed new developments within the MS4 and how they may impact the water quality downstream.	The Fort Carson Stormwater Program Manager is a committee member of the Fountain Creek Watershed District's (FCWSD) Technical Advisory Committee (TAC). On a quarterly basis, the Stormwater Program presents an overview of all new developments and redevelopments to the FCWSD. A spreadsheet of all pertinent information will be included in the MS4 Annual Report.	Quarterly

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.5.4	Within two years of the effective date of this Permit, provide and document training to all planning staff and contracting officers to provide education on stormwater runoff, and to communicate the expectations for meeting the Control Measure Design Standards defined in Part 2.5.9.	Three times each permit year, the FC Stormwater Program holds a Construction Stormwater Course which includes but is not limited to, control measures for construction and post construction sites This course is offered to contractors, contracting officers, engineers and other personnel who operate with and around stormwater runoff	3 times per permit year
2.5.5	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.	As part of the closeout procedures for the Stormwater Program, A Notice of Termination (NOT) Inspection is conducted. During these inspections all temporary control measures must be removed, and any post control measures must be clean of sediment and debris and be operational per their design.	Ongoing-Mandatory to close and receive a NOT
2.5.6	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 Permittee.	New and existing permanent control measures are entered into a GIS layer that is used to maintain an inventory of all facility structures. As-builts are maintained through the Division of Engineering. Maintenance requirements are carried out through various ways of identifying non-compliance: <ul style="list-style-type: none"> • The Stormwater Program conducts annual inspections of PSCMs • All installation staff can submit service orders FC's installation maintenance contractor conducts internal inspections and routinely services PSCMs	Ongoing
2.5.7	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 2.5.9 and New Development Planning Procedures for Specific Industrial Activities defined in Part 2.5.10 for the life of the Control Measures.	As-built designs are electronically maintained/archived by the Division of Engineering	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.5.8	<p>Inspect at a minimum, annually, all Control Measures planned and installed during the Permit term for the purpose of meeting the Control Measure Design Standards defined in Part 2.5.9 and New Development Planning Procedures for Specific Industrial Activities defined in Part 2.5.10 to ensure that they are being maintained in a manner which meets their intended design.</p>	<p>The Fort Carson Stormwater Program tracks the planning and installation of all permanent control measures, low impact development and green infrastructure.</p> <p>The GIS and the stormwater program maintain an active list of permanent control measures.</p> <p>Control measures installed during the permit term will be inspected at a minimum, annually,</p>	Annually at a minimum
2.5.9	<p>Control Measure Design Standards. 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:</p> <ul style="list-style-type: none"> • WQCV Standard • Infiltration Standard <p>Compliance Schedule</p>	<p>Contract language ensures that plans are built to the specifications of the engineered construction plan. Control measures are designed based on current and historical data. Hydraulics and Hydrologic (H&H) Studies along with Manning's equation are used to calculate WQCV for the detention and infiltration of control measures.</p> <p>The stormwater program carries out inspections to assess the installation, implementation and maintenance of the control measure</p>	Ongoing, but more prevalent during reviews and inspections
2.5.10	<p>New Development Planning Procedures for Specific Industrial Activities. In addition to the Control Measure Design Standards specified in Part 2.5.9 Control Measures such as oil and grease sand filters, secondary containment structures, and/or segregation of flows around pollutant hot spot areas shall be installed and maintained as practicable to reduce pollutants discharged from:</p> <ul style="list-style-type: none"> • Retail Gas and Fueling Areas • Restaurants and Food Service Prep Facilities • Automotive Service and Supply Stores <p>Vehicle Maintenance Facilities</p>	<p>Control measure standards to the three listed industries are inspected either through the Pollution Prevention Program Manager and/or the Environmental Compliance Assessment Team (ECAT)</p> <p>After each assessment and/or inspection is complete, the facility managers are notified of the potential finding and given a timeframe in which they are required to take corrective actions</p>	Ongoing and quarterly

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.5.11	The annual report and SWMP (See Part 4.2) must document the following information related to post-construction site stormwater runoff control:	The annual report and SWMP (See Part 4.2) must document the following information related to post- construction site stormwater runoff control:	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.6.1	Maintain and implement an operation and maintenance program that includes an employee training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal-type federal operations. The program must also inform federal employees and contractors of impacts associated with illegal discharges and improper disposal of waste from municipal-type federal operations.	<p>The Fort Carson Stormwater Program conducts training through the Environmental Protection (EPO) Officer Course and through the Construction Stormwater Training.</p> <p>These courses target soldiers operating on the installation in various industrial areas. They also target contractors, contracting officers and facility managers.</p>	<p>EPO course is offered quarterly</p> <p>Construction Stormwater Training is given three times annually</p>
2.6.2	Nutrient Source Reductions: The Permittee must develop and implement a municipal-type federal operations program that has the ultimate 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.	<p>Fort Carson has implemented a Nutrient Source Reduction Program. A reduction in nitrogen and phosphorus is achieved through the targeting of sources on the installation.</p> <ul style="list-style-type: none"> • The Stormwater Program implements mitigation through education and outreach efforts primarily focused on installation housing and grounds maintenance • The Natural Resources Branch tracks and regulates herbicide and pesticide usage. They ensure that only a certified contractor applicator is used • The water Quality Program abides by Regulation 83. This regulation aims to protect water quality through effluent limitations for nitrogen and phosphorus for domestic wastewater treatment plants discharging to the state's waters. 	Ongoing
2.6.3	Conduct and document an annual snow meeting each fall to discuss strategies to prevent the misuse and over-application of chemical deicers.	Fort Carson uses a Service and Maintenance contractor who apply any deicers used on the installation. The Stormwater Program educates the contractor through a Winter Maintenance BMP document which discusses the overuse of deicers. This document is presented during internal contractor meetings. The Stormwater Program requires this is done and that the Contracting Officer certifies a form stating this was carried out.	Annually

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.6.4	Develop and implement a schedule for cleanout of storm sewer inlets in a manner which prevents significant deposition of sediment or other debris to receiving waters and provide data or a description of this schedule and its implementation in the SWMP for the Facility.	<p>Routine maintenance and cleanouts of storm inlets are completed by the installation service contractor, T&H. Along with the Stormwater Program, this contractor maintains over 3000 inlets through routine inspections as well as service order requests that can be submitted by installation staff or residents.</p> <p>Refer to the service order report for a complete list of storm inlet repairs and cleanouts.</p>	Ongoing through Contract
2.6.5	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, deicer storage, lavatory waste transfer/disposal areas, industrial activities (e.g., welding), food service areas, and loading/unloading areas.	<p>Two types of control measures are used regarding these areas:</p> <p><u>Non-structural/Administrative</u></p> <ul style="list-style-type: none"> EPO Course – instructs participants of proper procedures when using the installation recycling services. Facility Managers' Course Information brochures distributed to maintenance contractors operating in the golf course, common grounds and housing Environmental Battle Book – Quick reference for guidance on the most common environmental concerns units and other organizations on FC face daily. <p><u>Structural</u></p> <ul style="list-style-type: none"> Permanent fuel storage tanks are located within secondary containment and are inspected routinely Military fuel vehicles are parked/stored inside of secondary containment. Spill kits are kept nearby for accidental spills <p>The Wastewater Treatment Plant (WWTP) in an industrial permitted site and incorporates a vegetative buffer and inlet protection to downstream inlets</p>	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.6.6.1-2.6.6.2	Municipal-Type Federal Facility Runoff Control Measures:	<p>This task is primarily accomplished through the Environmental Compliance Assessment Team (ECAT).</p> <ul style="list-style-type: none"> The ECAT maintains an inventory of facilities which cover the requirements in 2.6.6 through 2.6.6.2.1. The ECAT conducts routine visual inspections and are the eyes on the ground for day-to-day operations in motor pools and other facilities which allow the Stormwater Program to have real time spill response, good housekeeping and training provided. The ECAT completes a facility assessment form which documents any potential deficiencies. These notes are used to either create service orders or are passed to the Stormwater Program for consultation. <p>Control measures consist of:</p> <ul style="list-style-type: none"> Administrative – EPO course, Facility Managers course, Spill Prevention – SPCC Poster, Spill Kits Assessments – Parking lots, Motor Pools, Equipment Storage Yards Structural – Oil/Water Separators, Catch Vaults, Detention, Rock Check dams, etc. <p>Other programs within the Directorate of Public Works (DPW), Solid Waste and the Installation Maintenance Contractor operate in support of the overall pollution prevention initiative.</p>	Ongoing
2.6.7	Outdoor Bulk Storage: Outdoor bulk storage structures for petroleum products and any other liquid chemicals located at applicable Permittee facilities must have control measures implemented that provide secondary containment or equivalent protection that contains all spills and prevents any spilled material from entering receiving waters.	<p>Installation facilities that house POLs utilize secondary containment in accordance with this requirement. Bulk fuel storage containers have secondary containment as well as a detention for the potential of any unexpected spill. Motor pools utilize containment practices through POL lockers, sump pallets and catch vaults. Mobile refuelers are stored within secondary containment and are equipped with spill response materials when they are in operation.</p>	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.6.8	Municipal-type Federal Facility Operations and Maintenance Procedures: At a minimum, implementation of the procedures must prevent or reduce stormwater pollution from the following operations conducted by the Permittee:	The operations listed in this requirement are conducted with a varying degree of procedure and control measures specific to their purpose.	Ongoing
2.6.9	Provide annual training for public education and outreach for people identified as having fleet maintenance activities in line with the SWMP. Each of the categories of activities referenced in the SWMP should receive stormwater training;	Most vehicles are GSA leased and therefore any MAINTENANCE requirements are handled offsite by individual manufacturers and dealerships. All of these vehicles have spill response sheets included in their respective booklets. Some of the support vehicles used by the wildland fire fighters are serviced at the AFSBN Bldgs. 8000 & 8200. Training for stormwater pollution prevention is given annually to fleet maintenance personnel through the ECAT.	Annually
2.6.10	Implement SOPs for the vehicle maintenance facility, maintenance yard, and operations such as deicing which includes locations of potential pollutant sources and appropriate inspection locations and schedules;	The facilities are operated by different service contractors. Each facility maintains their grounds through their own processes. The DPW and the Stormwater Program provide education and outreach regarding preventing pollutants from entering the MS4.	At a minimum, annually
2.6.11	Implement a schedule for sweeping streets in a manner which prevents significant deposition of sediment or other debris to receiving waters and provide data or a description of this schedule and its implementation in the SWMP for the Facility; and	Installation streets have been divided into 5 zones/areas. Streets within each zone are swept on a set day of the week, Monday – Friday. This operation is conducted by the installation maintenance contractor.	Ongoing

Permit Section	Requirement Summary	Implementation	Regulatory Deadline
2.6.12	Maintain an inspection protocol using new or existing tools for tracking inspections at Facility operations.	<p>The MSGP requires the permittee to conduct routine and visual inspections once per quarter of each sector specific industrial facility.</p> <p>The remaining facility operations that fit the permit description are inspected through the Environmental Compliance Assessment Team (ECAT)</p> <ul style="list-style-type: none"> • The ECAT maintains an inventory of facilities • The ECAT conducts routine visual inspections and are the eyes on the ground for day-to-day operations in motor pools and other facilities which allow the Stormwater Program to have real time spill response, good housekeeping and training provided. <p>The ECAT completes a facility assessment form which documents any potential deficiencies. These notes are used to either create service orders or are passed on to the Stormwater Program for consultation</p>	Quarterly and Ongoing
2.6.13	The annual report and SWMP (See Part 4.2) must document the following information related to pollution prevention and good housekeeping for municipal-type federal facility operations:	Complete required documentation for the Annual Report as detailed in Section 4.2 and Appendix F of the SWMP	Ongoing

Permit Section	Requirement Summary	Implementation	Goal
2.7.1	The Permittee must implement and document a Public Involvement and Participation process that complies with public notice requirements for actions conducted, when applicable, to comply with this Permit. The following requirements apply:	<p>The Stormwater Program advertises public involvement/participation events on the Fort Carson stormwater program website as a means of notification. Use other public notices processes, including those associated with the NEPA process and stormwater permits.</p> <p>Document non-NEPA related notifications in stormwater program's tracker spreadsheet.</p> <p>The Fort Carson Stormwater Management Plan (SWMP) is available to the public through the stormwater program website.</p> <p>Information on Illicit Discharges and failure to implement or meet control measure requirements is listed on the stormwater program website</p>	Ongoing
2.7.2	The Permittee must maintain the following records for activities to meet the requirements of Part 2.7.1. and 6.5.1.	All documents containing public comments will be saved and filed within the DPW hard drive.	Ongoing
2.7.3	The Stormwater Management Plan (See Part 2.1) must document any public notices and/or meetings held to meet the conditions in Parts 2.7.1 and 2.7.2.	All notices and/or meetings are documented in Appendix I of this SWMP	Ongoing

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APPENDIX C

GC Policy #17

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DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT CARSON
1626 ELLIS STREET, SUITE 200
FORT CARSON, CO 80913

GC Policy #17

AMIM-CRG-ZA

AUG 28 2024

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Enforcement of Construction Site Stormwater Management Program Policy

1. References:

a. U.S. Army Installation Management Command, U.S. Army Environmental Command memo, IMAW-BDC, Subject: U.S. Army Environmental Command (USAEC) "Sample" Command Policy and Supplemental Guidance Document for Stormwater Compliance at Construction Sites, dated 31 Jan 07.

b. Fort Carson Municipal Separate Storm Sewer System (MS4) Permit (COR042001) as defined in Clean Water Act (40 CFR 122.26).

2. Purpose: Establish a policy for management of stormwater on Fort Carson, specifically at construction sites. The federal stormwater regulations and Fort Carson's MS4 permit require development, implementation and enforcement of a Stormwater Management Plan designed to reduce the discharge of pollutants from the installation's stormwater system to the maximum extent practicable to protect water quality. The program must implement six minimum control measures, including construction site stormwater runoff control and post-construction stormwater management in new development and redevelopment. The construction control and management measures include requirements for erosion and sediment controls and best management practices, as well as establishment of vegetative cover and long-term site stabilization measures.

3. Applicability:

a. Installation staff, tenants, activities, contracting offices, and contractors must comply with all the requirements outlined in the sections of Fort Carson's Stormwater Management Plan that address elimination of illicit discharges, construction site runoff control and post- construction site runoff control

b. When coverage under the Environmental Protection Agency's Construction General Permit (CGP) is applicable, compliance with all CGP requirements is mandatory. Failure to comply with these requirements will result in appropriate disciplinary actions being taken against violator(s) as appropriate.

AMIM-CRG-ZA

SUBJECT: Enforcement of Construction Site Stormwater Management Program Policy

c. Copies of these documents are available on the Fort Carson Stormwater website at <https://home.army.mil/carson/index.php/Directorate/directorate-public-works/stormw>.

4. Responsibilities:

a. Directorate of Public Works - Environmental Division (DPW-ED) will enforce this policy through contractor oversight and project planning. Projects with the U.S. Army Corps of Engineers (USACE), Mission and Installation Contracting Command (MICC) and/or any other entity as the proponent are subject to these regulations and oversight.

b. Fort Carson Stormwater Program staff has the authority to conduct inspections of site activities as needed, to ensure compliance with the above cited plan and permit.

c. U.S. Army Corps of Engineers and MICC will enforce this policy by incorporating a reference to this policy in all applicable contract language. USACE and MICC project CORs will ensure contractors comply with the provisions of this policy and the terms of the CGP.

d. Potential sanctions for contractor violations may include, but are not limited to:

(1) Contract payment withholding, liquidated damages, setoff, or equitable adjustment;

(2) Indemnification of Government costs due to administrative enforcement and litigation;

(3) Contract termination;

(4) Consideration of past performance evaluations in award of future contracts;

(5) Suspension or debarment from bidding or working on future contracts; and/or

(6) Stop-work orders may be issued for the entire project until violations have been rectified to the satisfaction of the Fort Carson's Garrison Command.

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SUBJECT: Enforcement of Construction Site Stormwater Management Program Policy

5. The proponent for this policy is the DPW-ED Stormwater Program Manager at 719-725-8073 or via email at usarmy.carson.incom-central.list.dpw-ed-storm-water@army.mil.


ERIK C. OKSENVAAK
COL, IN
Garrison Commander

DISTRIBUTION: A

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APPENDIX D

Construction Site Inspection Procedure and Inspection Form and SWPPP Checklist

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Construction Inspection Procedures

Requirement. Conduct inspection of third-party construction sites with active National Pollutant Discharge Elimination System (NDPES) construction permits at least once every quarter to check compliance with the current United States Environmental Protection Agency (USEPA) Construction General Permit (CGP).

Pre-Inspection. Schedule an inspection through the project management team (e.g. Directorate of Public Work-Engineering Division, United States Army Corps of Engineers). Lock in the time and meet up location.

Inspection Materials. Bring the following materials to the inspection:

- A copy of the stormwater program construction inspection form
- A copy of the projects most recent stormwater program inspection form, if available.
- A copy of the site map from the constructor's Stormwater Pollution Prevention Plan (SWPPP).
- Field book or note taking material with pen or pencil.
- Camera.
- Personal Protective Equipment (PPE) (e.g. safety boots, high visibility vest, hard hat, eye protection).
- Business cards with current contact information.

Administrative Review. Review the SWPPP records to determine whether the SWPPP is being updated properly. Conduct a review of:

- Changes to the project's stormwater team
- Inspections since the last site visit
- Corrective action log
- SWPPP revision log
- Grading and stabilization log
- Site map with annotated Best Management Practices (BMPs) and potential pollution sources

Areas to Inspect. Site inspections must inspect the following areas:

- All areas that have been cleared, graded, or excavated and that have not yet completed stabilization.
- All stormwater controls (including pollution prevention controls) installed at the site.
- Material, waste, borrow, and equipment storage and maintenance areas.
- All areas where stormwater typically flows within the site, including drainage ways designed to divert, convey, and/or treat stormwater.
- All points of discharge from the site.
- All locations where stabilization measures have been implemented.
- Do not inspect areas that, at the time of the inspection, are considered unsafe to inspection personnel.

Inspection Requirements

- Check whether all stormwater controls (i.e., erosion and sediment controls and pollution prevention controls) are properly installed, appear to be operational, and are working as intended to minimize pollutant discharges.
- Check for the presence of conditions that could lead to spills, leaks, or other accumulations of pollutants on the site.
- Identify any locations where new or modified stormwater controls are necessary to meet the requirements of the CGP.
- Check for signs of visible erosion and sedimentation (i.e., sediment deposits) that have occurred and are attributable to discharge at points of discharge and, if applicable, the banks of any waters of the U.S. flowing within or immediately adjacent to the site;
- Identify any incidents of noncompliance observed;
- If a discharge is occurring during the inspection, identify all discharge points at the site and observe and document the visual quality of the discharge. Take note of the characteristics of the stormwater discharge, including color; odor; floating, settled, or suspended solids; foam; oil sheen; and other indicators of stormwater pollutants.
- Based on the results of your inspection, inform the constructor and project management team of any necessary maintenance and/or corrective action required to maintain compliance with the CGP.

Inspection Reports.

- Complete an electronic inspection report on SharePoint within 24 hours of completing any site inspection using the construction inspection template.
- Provide a copy of the inspection report to the project management team for inclusion in the project file and distribution to the constructor.
- Post a copy of the report to the project file on SharePoint.
- Retain all inspection reports at least three (3) years from the date that your permit coverage expires or is terminated.

Revised: 23-May-2025

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2022 CGP/MS4 Construction Inspection Form			
Name of Site:		Project Number:	
Inspector Name & Contact Information:			
Inspection Date/Time:			
Location (address, cross streets, building number): GPS Coordinates:	Construction Stage: Clearing: <input type="checkbox"/> Construction: <input type="checkbox"/> Infrastructure: <input type="checkbox"/> Rough Grading: <input type="checkbox"/> Final Grading: <input type="checkbox"/> Temp. Stabilization: <input type="checkbox"/> Final Stabilization: <input type="checkbox"/> Construction Stage Other:	Receiving Waters: B Ditch: <input type="checkbox"/> Clover Ditch: <input type="checkbox"/> Fountain Creek: <input type="checkbox"/> Infantry Creek: <input type="checkbox"/> Rock Creek: <input type="checkbox"/> Receiving Waters Other:	Is the receiving water a tributary to Waters of the U.S.? <input type="checkbox"/> Yes <input type="checkbox"/> No Is the project within the Fort Carson MS4 footprint? <input type="checkbox"/> Yes <input type="checkbox"/> No Are any portions of the site unsafe for inspection? (CGP 4.5) <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain...
Nature of Project: Select nature of project... If other, specify...			
Is the Stormwater Team identified in the SWPPP? (CGP 6 and 7.2.2) <input type="checkbox"/> Yes <input type="checkbox"/> No			
Name(s) and contact information of person/people meeting the definition of "operator": (CGP 1.1.1)			
Facility 24-Hour Contact:			
Delegated Authority:			
Other Stormwater Team members:			
Is there permit coverage under the 2022 CGP? <input type="checkbox"/> Yes <input type="checkbox"/> No If no permit coverage, explain... NOI date: _____ NOI number: _____ Co-permittee NOI date: _____ Co-permittee NOI number: _____		Is there a posted notice of permit coverage that meets the following requirements? (CGP 1.5) - The sign is posted in close proximity to the site and visible from the nearest public road - NPDES ID (NOI number) is listed - POC name and phone number are listed - The SWPPP URL or request statement are listed - This statement is included: "If you observe indicators of stormwater pollutants in the discharge or in the receiving water, contact the EPA through the following website: https://www.epa.gov/enforcement/report-environmental-violations ." <input type="checkbox"/> Yes <input type="checkbox"/> No If no, explain...	

1. SWPPP Review				
Item	Yes	No	N/A	Notes
1. Is the SWPPP available for inspection (electronically or hard copy)? (CGP 7.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. What is the site description? (CGP 7.2.3)				
3. What is the total area of site to be disturbed and the maximum disturbance at any one time? (CGP 7.2.3)				
4. Are all pollutant-generating activities and pollutant constituents listed? (CGP 7.2.3g and 1.2.1c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Are all construction support activities described? (materials, equipment staging areas, concrete/asphalt batch plants, stockpiles and borrow areas) (CGP 7.2.3 and 1.2.1c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Are the schedule and sequence of construction activities included? (CGP 7.2.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Is there a list of authorized non-stormwater discharges? (CGP 1.2.2 and 7.2.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Is information on natural buffers or buffer exceptions included? (CGP 2.2.1, 7.2.6b, and App F)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Are control measure descriptions, installation dates, and maintenance requirements included? (CGP 2.2 and 7.2.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. If sediment basins or similar impoundments will be installed, are design specifications and maintenance requirements included? (CGP 2.2.12 and 7.2.6b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11. Is a dewatering plan included? (MS4, CGP 2.4 and 7.2.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are temporary and permanent stabilization practice descriptions, installation dates, and maintenance requirements included? (CGP 2.2.14 and 7.2.6b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13. Is the 2022 CGP included (electronic or hard copy)? (CGP 6.4 and 7.2.11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14. Is the Corrective Action Log current? (CGP 5 and 7.2.7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15. Is the SWPPP Amendment Log current? (CGP 7.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16. Is there documentation that the stormwater team has been trained on the CGP requirements? (CGP 6.2 and 7.2.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17. Is the NEPA Record of Environmental Consideration (REC) included? (Endangered species/historic properties evaluation) (CGP 7.2.9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18. Is the SWPPP current and complete? (CGP part 7.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. Map Review				
Item	Yes	No	NA	Notes
1. Is an up-to-date site map or series of maps available for inspection? (CGP 7.2.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Does the site map show all required features? (property boundaries, steep slopes, stockpiles, exit points, receiving waters, type/extent of pre-construction cover, drainage patterns, discharge locations, pollutant-generating activity locations, construction waste locations, stormwater control locations, and chemical storage locations) (CGP 7.2.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Are drainage patterns (flow arrows) included for stormwater and authorized non-stormwater? (before and after major grading activities) (CGP 7.2.4f)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Are pollutant generating activities, as described in the SWPPP, on the map? (CGP 7.2.4h and 7.2.3g)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Are the locations of control measures/BMPs, as described in the SWPPP, on the map? (CGP 7.2.4j)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Does the map identify stormwater management measures to address stormwater runoff once construction is complete? (culverts, inlets, LID features, permanent BMPs) (CGP 7.2.4g)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3. Inspections Review				
Item	Yes	No	NA	Notes
1. Is the named inspector (or the inspector's position) a duly authorized representative of the operator? (CGP App G.11.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Is the delegation of authority signed by the operator in the SWPPP? (CGP App G.11.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Are inspections performed according to inspection schedule noted in the SWPPP? (CGP 4.2, 4.3, and 4.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. What is the inspection frequency? (CGP 4.2, 4.3, and 4.4)				
5. Date of last inspection				
6. Does the inspection report cover all BMPs, pollution prevention practices, and areas requiring inspection? (CGP 4.5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. If applicable, is weather information included in inspection reports? (CGP 4.7.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Were findings from last inspection addressed within 7 days? (CGP 5.2.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4. Erosion & Sediment (E&S) Controls Review					
ESC/BMP Item	Temp	Perm	Adequate	Deficient	Notes
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	

5. Pollution Prevention (P2) Practices & Controls Review			
P2C/BMP Item	Adequate	Deficient	Notes
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

Discharge of Sediment:

1	2
3	4

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**Fort Carson Stormwater Program
Stormwater Pollution Prevention Plan (SWPPP)
Review Form**



INSTRUCTIONS:

STEP 1 - Complete Part 3 of this form. Please include the response date and the name(s) and phone number(s) of the project proponent(s) (the individual who will be responding to this review and/or the on-site project manager).

STEP 2 - Respond to comments as completely and briefly as possible.

STEP 3 - Sign Part 5, save and email to the Fort Carson Stormwater Office: usarmy.carson.imcom-central.list.dpw-ed-storm-water@army.mil

STEP 4 - If initial responses are satisfactory, you will receive the form with Stormwater program signature acknowledgement in Part 4.

OR

The form will be returned to you with comments or requests for further information. Please respond and return for a second review. If the second review responses are satisfactory, you will receive the form with Stormwater program signature acknowledgement in Part 4.

OR

IF THE SECOND REVIEW RESPONSES ARE NOT ACCEPTABLE, A MEETING WITH THE PROJECT PROPONENT, DPW AND/OR USACE REPRESENTATIVES WILL BE ARRANGED TO RESOLVE ANY OUTSTANDING ISSUES AND FINALIZE THE SWPPP.

STEP 5 - You may then file a Notice of Intent (NOI) for your project at https://cdx.epa.gov/epa_home.asp.

This form **MUST** be completed and signed by both Fort Carson and the project proponent prior to filing a Notice of Intent (NOI) for eligible construction projects. A **copy of this ENTIRE form with signatures must be in the project SWPPP.**

1. Project

Name **Project name**
Location **Fort Carson, CO**
DPW (or other)/Environmental Number **Number**
Construction Dates: **Date to date**

2. Fort Carson Stormwater Program Contact Information

POC Name **Stormwater Program Manager**
Phone number **(719) 526-1697**
Review Date
1st review **Date** 2nd review **Date**

3. SWPPP Preparer(s) Contact Information

POC Responsible
Phone number
Response date
1st review **Date** 2nd review **Date**

4. Fort Carson Stormwater Program Acknowledgement of SWPPP Finalization

POC Name [Stormwater Program Manager](#)

Date

Signature

5. SWPPP Preparer(s) Acknowledgement that Form was received

POC Name

POC Information

Date

Signature

Upon receipt of the NOI, complete the following:

- Include a copy of the NOI acceptance letter in the SWPPP.
- Post the NOI on site, or in the window of the site supervisor's truck.
- Ensure a hard copy of the SWPPP is available onsite.

Part 1 – Contact Information / Responsible Parties

Designates operators, subcontractors and the Stormwater team
Provides an 24-hour emergency contact

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 1.1 – Operators and Subcontractors				
Para 1.1 - Are all the operators named in the SWPPP? (CGP Part 7.2.1)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 1.1 - Are all the subcontractors named in the SWPPP? (CGP App. G.11)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 1.1 – Is a 24-hour contact (name and number) included?	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 1.2 – Stormwater Team				
Para 1.2 - Is the stormwater team identified? (CGP Part 7.2.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 1.2 – Are authorities properly delegated in Appendix J (CGP App. G)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Part 2 – Site Evaluation, Assessment and Planning

Describes the construction sequence of the project
How project will be carried out (e.g. scope, phasing, schedule)

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 2.1 - Project/Site Information				
Para 2.1 – Is the location of the site provided? (Address and Lat/Long)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.2 – Discharge Information				
Para 2.2 –Does the project discharge into an MS4 area? (If the project is in the Fort Carson Cantonment Area, the answer is “Yes”) (MS4 Program)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.2 – Is the project within 50 feet of surface waters? (MS4 Program)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.2 – Does the project discharge into Fountain	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Creek? If yes, list Fountain Creek as impaired for E. Coli. Fountain Creek is not a Tier 2/2.5/3 Water. (CGP Part 3)	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.3 – Nature of Construction Activity				
Para 2.3.1 – Is there a general description of the construction project? (CGP Part 7.2.3)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.3.2 - Total area of site and total area to be disturbed included? (CGP Part 7.2.3.b/c/e)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.3.3 – Are the construction support activities described? (CGP Part 7.2.3.d)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.3.4 – Are the business hours and work days included?? (CGP Part 7.2.3.h)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.4 – Sequence and Estimated Dates of Construction Activities				
Para 2.4 - Is the sequence and estimated dates of construction activities included? (CGP Part 7.2.3.f)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.5 – Allowable Non-Stormwater Discharges				
Para 2.5 – Are all allowable sources of non-stormwater discharges identified? (CGP Parts 7.2.5 and 1.2.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 2.6 – Site Maps				
Para 2.6 - Is there a site map documenting equipment staging areas, material supply staging areas, track out pads, total soil disturbance area, drainage patterns/outfalls, etc.? Refer to maps in Appendix A. (CGP Part 7.2.4)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	

Part 3 – Documentation of Compliance with other Federal Regulations

NEPA Review, Endangered Species, Historical Preservation, Safe Drinking Water Act

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 3.1 Endangered Species Protection				
Para 3.1 – Were the impacts on endangered species evaluated? (Refer to Appendix K) (CGP Part 7.2.9.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 3.2 – Historic Preservation				
Para 3.2 – Were the impacts on historic properties evaluated? (Refer to Appendix K) (CGP Part 7.2.9.b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 3.3 – Safe Drinking Water Act Underground Injection Control Requirements				
Para 3.3 – Were the Safe Drinking Water Act Underground Injection Control Requirements considered? (CGP Part 7.2.9.c)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Part 4 – Erosion and Sediment Controls

Provides detailed erosion and sediment control plans and specs
Outlines temporary and final stabilization plans

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 4.1 – Natural Buffers or Equivalent Sediment Controls				
Para 4.1.1 – Were surface waters within 50 feet from the project considered? (CGP Part 2.2.1 and 7.2.6b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.1.1 – If surface waters are within 50 feet, are alternatives are considered? (CGP Part 2.2.1 and 7.2.6b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.1.2 – Are buffer exceptions considered? (CGP Part 2.2.1 and 7.2.6b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.2 – Sediment Controls				
Does the SWPPP include a description and specifications for sediment and perimeter controls? (CGP 7.2.6.b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for sediment and perimeter controls? (CGP 7.2.6.b.ii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
sediment and perimeter controls? (CGP 7.2.6.b.ii)				
Para 4.3 – Sediment Track-Out				
Does the SWPPP include a description and specifications for sediment track out? (CGP 7.2.6.b.ii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for sediment track out? (CGP 7.2.6.b.ii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for sediment track out? (CGP 7.2.6.b.ii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.4 – Stockpile Sediment and Soil				
Does the SWPPP include a description and specifications for stockpile controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for stockpile controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for stockpile controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.5 – Minimize Dust				
Does the SWPPP include a description and specifications for dust controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for dust controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for dust controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.6 – Minimize the Disturbance on Steep Slopes				
Does the SWPPP include a description and specifications for steep slope controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for steep slope controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for steep slope controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.7 – Topsoil				

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Does the SWPPP include a description and specifications for topsoil controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for topsoil controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for topsoil controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.8 – Soil Compaction				
Does the SWPPP include a description and specifications for reducing soil compaction? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for reducing soil compaction? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for reducing soil compaction? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.9 – Storm Drain Inlet Protection				
Does the SWPPP include a description and specifications for storm drain inlet protection? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for storm drain inlet protection? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for storm drain inlet protection? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.10 – Constructed Stormwater Conveyance Channels				
Does the SWPPP include a description and specifications for stormwater channels? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for stormwater channels? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for stormwater channels? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 4.11 – Sediment Basins				

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Does the SWPPP include a description and specifications for sediment basins? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include installation dates for sediment basins? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include maintenance requirements for sediment basins? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.12 – Chemical Treatment				
Does the SWPPP include a description and specifications for chemical treatment? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include installation dates for chemical treatment? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include maintenance requirements for chemical treatment? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.13 – Dewatering Practices				
Does the SWPPP include a description and specifications for dewatering practices? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include installation dates for dewatering practices? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include maintenance requirements for dewatering practices? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Is the Fort Carson dewatering guidance included as an appendix? (MS4 Program, CGP Part 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 4.14 – Other Stormwater Controls				
Does the SWPPP include a description and specifications for other controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include installation dates for other controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP include maintenance requirements for other controls? (CGP 7.2.6.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
4.15 - Site Stabilization				
Temporary Stabilization Measures (For Each Measure)				

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Does the SWPPP include a description and specifications for temporary stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for temporary stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for temporary stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Permanent Stabilization (For Each Measure)				
Does the SWPPP include a description and specifications for permanent stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include installation dates for permanent stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Does the SWPPP include maintenance requirements for permanent stabilization measures? (CGP 7.2.6.b.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
4.16 - Final Stabilization				
Does the SWPPP state the following: "Ft. Carson Stormwater Program is required to conduct a final inspection. 70% site stabilization is required before an NOT will be issued." (CGP 2.2.14.b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Low Impact Development				
Does the SWPPP identify LID stormwater management measures to address stormwater runoff once the construction is complete? (MS4 Program)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	

Part 5 – Pollution Prevention Standards

Identifies activities and potential pollutants

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 5.1 - Does the SWPPP identify potential pollution generating activities and pollutants which could be discharged from the site? (CGP Part 7.2.6.vii)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 5.2 - Does the SWPPP have a spill plan? (CGP Part 7.2.11)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.2 - Is a copy of the Fort Carson Spill Guidance included as an appendix? Refer to Appendix P.	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.3. – Are pollution prevention measures specified for fueling and maintenance of equipment and vehicles? (CGP Part 2.3.1)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.4. – Are pollution prevention measures specified for equipment and vehicle washing? (CGP Part 2.3.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5. – Are pollution prevention measures specified for storage, handling, and disposal of building products, materials, and waste? (See Para 5.5.1 to 5.5.6) (CGP Part 2.3.3)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5.1 – Building Products (CGP Part 2.3.3.a)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5.2 – Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials (CGP Part 2.3.3.b)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5.3 – Fuels, Oils, Fluids, and Other Chemicals (CGP Part 2.3.3.c)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5.4 – Hazardous or Toxic Waste (CGP Part 2.3.3.d)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Para 5.5.5 – Construction and Domestic Waste. (CGP Part 2.3.3.e)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.5.6 – Sanitary Waste (CGP Part 2.3.3.f)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.6. – Are pollution prevention measures specified for washing applicators and containers for paint, concrete, and other materials? (e.g. Lined Concrete Wash Out) (CGP Part 2.3.4)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.7. – Are pollution prevention measures specified for fertilizers? (CGP Part 2.3.5)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 5.8. – Are other pollution prevention measures specified? (CGP Part 2.3.6)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Part 6 – Inspection, Corrective Action, and SWPPP Modification
Outlines inspection plan (including daily precipitation record)

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Para 6.1 – Inspection Personnel and Procedures				
Para 6.1.1 - Are the site and dewatering inspections being performed by a qualified person and are their qualifications in the SWPPP? (CGP Part 4.1)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.1.1. Does the SWPPP include the following statement? “The Ft. Carson Stormwater Program will conduct quarterly inspections to check compliance with the CGP. The program manager will contact the project proponent to schedule site visits, check the SWPPP updates, and check that routine inspections are performed.” (MS4 Program)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review -	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review -	
Para 6.1.2 - Is the frequency of, and procedures for, inspections noted in the SWPPP? (CGP Part 4.2, 7.2.7)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.1.2 – Does the plan address a reduction in the inspection schedule for stabilized areas and halts in construction activities? (CGP Part 4.4)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.1.3 – Are the areas that must be inspected included? (CGP Part 4.5)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.1.4 – Are inspection requirements included? (CGP Part 4.6)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.1.5 - Is the inspection form adequate? Refer to Appendix D. (CGP Part 4.7)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.2 – Corrective Action				
Para 6.2 – Does the plan list personnel responsible for corrective actions? (CGP Part 5 and 7.2.7)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.2 – Does the SWPPP address the procedures for	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
documenting corrective action?	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.2 - Does the SWPPP have a copy of the corrective action report form that will be used for the project? Refer to Appendix E. (CGP Part 5 and 7.2.7)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.3 – Delegation of Authority				
Para 6.3 – Does the SWPPP identify the individual(s) or positions within the company who have been delegated authority to sign inspection reports? (CGP App. G.11)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP have a copy of the signed delegation of authority? Refer to Appendix J (CGP App. G.11)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Para 6.4 – Records Maintenance				
Does the SWPPP state the requirement to retain all records for 3 years after completion of project? (CGP Part 4.7.4 and 5.4.4)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Part 7 – Training

Includes credentials of qualified individuals who are managing the SWPPP

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Has staff training been conducted? Are training certificates included? (Refer to Appendix L) (CGP Part 6)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP address a routine training plan for employees and subcontractors? (Recommend monthly tailgate training) (CGP Part 6.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP have a subcontractor agreement form? (Refer to Appendix G) (CGP Part 6.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Does the SWPPP have a form to document conducted training? (Refer to Appendix I) (CGP Part 6.2)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Part 8 – Certification and Notification

Signed certification from the constructor (Legal responsibility and liability)

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Did all the "operators" sign the SWPPP? (CGP App. G.11)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Did the signatures include the certification statement? (CGP App. G.11.4)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Appendices

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Appendix A – Project Maps <input type="checkbox"/> Site Map <input type="checkbox"/> BMP Plan by phase <input type="checkbox"/> Stabilization Plan <input type="checkbox"/> Final Grading Plan	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix B – Copy of the 2022 CGP	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix C – NOI Application and EPA authorization (Place Holder)	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix D – Site and Dewatering Inspection Forms	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix E – Corrective Action Log	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix F – SWPPP Amendment Log	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix G – Subcontractor Certification and Agreements	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix H – Grading and Stabilization Activities Log	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix I – Training Documentation	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix J – Delegation of Authority	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix K – Endangered Species Documentation	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

Criteria	Yes	No	Fort Carson Comments	Project Proponent(s) Responses
Appendix L – Historic Properties Documentation	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix M – Rainfall Gauge Recording	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix N – Turbidity Monitoring Sampling Documentation	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix O – Fort Carson Dewatering Requirements and Guidance	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	
Appendix P –Fort Carson Spill Plan and Action Guidance	<input type="checkbox"/>	<input type="checkbox"/>	1 st Review –	
	<input type="checkbox"/>	<input type="checkbox"/>	2 nd Review –	

General Comments:

#	Page	Part	Fort Carson Stormwater Program Comments	Project Proponent(s) Responses
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APPENDIX E

Fort Carson Notice of Termination Form

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Fort Carson Stormwater Program Notice of Termination (NOT) Inspection Form



Date: _____
Project Name: _____
Project Location: _____
Permittee #1: _____
NOI # _____
Dates of CGP Coverage: _____
Permittee #2: _____
NOI # _____
Dates of CGP Coverage: _____
Target Date for NOT filing: _____
NOT Inspector & personnel: _____

Construction General Permit Conditions for filing NOT:

☐ 1. Final stabilization has been achieved on all exposed portions of the site for which you are responsible.

☐ A. All soil disturbing activities at the site have been completed and either, or a combination of, the two following criteria have been met:

☐ i. If you are vegetatively stabilizing any exposed portion of your site through the use of seed or planted vegetation, you must provide established uniform vegetation (*e.g., evenly distributed without large bare areas*), with the following criteria:

- 70 percent or more of the density of coverage that is provided by vegetation native to local undisturbed areas
- No invasive species
- Vegetative cover must be perennial
- Immediately after seeding or planting the area to be vegetatively stabilized, to the extent necessary to prevent erosion on the seeded or planted area, you have selected, designed, and installed non-vegetative erosion controls that provide cover (*e.g., mulch, rolled erosion control products*) to the area while vegetation is becoming established.

☐ ii. If you are using non-vegetative controls to stabilize exposed portions of your site, you must provide effective non-vegetative cover to stabilize any such exposed portions of your site, including, but not limited to, riprap, gabions, and geotextiles.

OR

☐ B. In arid and semi-arid areas or drought-stricken areas only, all soil disturbing activities at the site have been completed and both of the following criteria have been met:

☐ i. The area you have seeded or planted must, within 3 years, provide established vegetation that covers 70 percent or more of the density of vegetation provided by local, undisturbed areas; and in addition to seeding or planting the area to be vegetatively stabilized, to the extent necessary to prevent erosion on the seeded or planted area, you must select, design, and install non-vegetative erosion controls that provide cover for at least 3 years without active maintenance by you.

AND

☐ You have removed and properly disposed of all construction materials, waste and waste handling devices, and have removed all equipment and vehicles that were used during construction, unless intended for long-term use following your termination of permit coverage.

☐ You have removed all stormwater controls that were installed and maintained during construction, except those that are intended for long-term use following your termination of permit coverage or those that are biodegradable.

☐ You have removed all potential pollutants and pollutant-generating activities associated with construction, unless needed for long-term use following your termination of permit coverage.

OR

☐ 2. Another operator has assumed control according to Section 8.2.2 of the CGP over all areas of the site that have not been finally stabilized.
If so, please provide POC information_____

OR

☐ 3. Coverage under an individual or alternative general NPDES permit has been obtained.
If so, please provide Permit # and Date_____

MS4 Program Conditions for filing NOT:

- ☐ Received a copy of all post-construction stormwater BMP design drawings/as-builts (in both '.dgn' and hard copy format). Please note that this information will need to be verified by Fort Carson staff prior to filing for an NOT.
- ☐ Received a copy of all post-construction stormwater BMP O&M specifications, as applicable
- ☐ Received a copy of design grading and drainage plans (in both '.dgn' and hard copy format)
- ☐ Received a copy of final, general layout of project site (to include buildings, roads, etc.)
- ☐ Received a copy of the Maintaining Hydrology on Army Construction Projects form (as applicable).
- ☐ All post-construction BMPs have been cleaned out and are in optimum operating condition.
- ☐ Site conditions are stable and acceptable. If not, provide actions needed prior to filing NOT:

Once the Fort Carson Stormwater Program has signed this form and returned it to the project proponent(s), the NOT filing process can be initiated. The NOT must be submitted within 30 days of conditions 1, 2 or 3 above being adequately met. Authorization to discharge terminates at midnight of the day the NOT is signed.

Fort Carson Stormwater
Program Manager

Signature

Date

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APPENDIX F

MS4 Annual Report Requirements

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MS4 Annual Report Requirements

The general information required for the Annual Report includes the following:

- A description of all construction activities constructed or proposed to be constructed which disturb equal to or greater than one acre of land during the reporting period
- Documentation of any public notices and/or meetings held to meet the conditions in Part 2.7.2
- A description of any changes to the illicit discharge detection and elimination program, including description of illicit discharges that were either addressed or eliminated in the past year
- For sites disturbing equal to or greater than one acre of land, documentation of the inspection process and frequency of construction site inspections as well as a summary of findings from inspections conducted during the reporting period
- A short summary of the progress towards meeting the goal of reducing pollutant discharges from the Fort Carson MS4. This should include any successes made during the reporting period, a general assessment of the appropriateness of stormwater controls and progress towards meeting measurable goals for each of the minimum control measures in Parts 2.2–2.7, results of information collected and analyzed such as monitoring data during the reporting period, and a summary of the storm water activities planned during the next reporting cycle
- A description of any changes made to the SWMP as a result of the annual review required by Part 2.1.5, and
- A description of concerns with permit compliance moving forward, and if applicable, input on how the MS4 permitting process could be made more effective in meeting the goals of protecting water quality

The Public Outreach and Education information required for the Annual Report includes the following:

- A schedule for meeting the requirements in Parts 2.2.1.-2.2.5;
- A description of the target audience from Part 2.2.1;
- A copy or representation of public outreach materials provided to the target audience(s);
- The name or title of the person(s) responsible for coordination and implementation of the stormwater public education and outreach program

The Illicit Discharge Detection and Elimination information required for the Annual Report includes the following:

- A description of the program used to detect and eliminate illicit discharges into the MS4s, including procedures for detection, identification of sources, and removal of non-stormwater discharges from the storm sewer system
- A description of the location and method of dry weather screening performed
- A description of illicit discharges located, and all actions taken to eliminate sources of illicit discharges
- A description or citation of the established ordinance or other regulatory mechanism used to prohibit illicit discharges into the MS4
- A copy or excerpt from the information management system used to track illicit discharges showing all information required by Part 2.3.6 for the year.
- A description of the categories of non-stormwater discharges evaluated as potentially being significant contributors of pollutants to the MS4 (see Part 1.4.2) and any local controls placed on these discharges, and
- A description of the schedule and/or progress in creating a complete storm sewer map.

The Construction Site Stormwater Runoff Control information required for the Annual Report includes the following:

- A description of construction activities which disturbed greater than or equal to one acre of land or were part of a larger common plan of development or sale that would disturb one acre or more;
- A description or citation of the established ordinance or other regulatory mechanism used to require erosion and sediment controls
- A description of the compliance and enforcement mechanisms the Permittee used to ensure that construction activities disturbing equal to or greater than one acre of land were in compliance with the terms of the EPA General Permit for Discharges from Construction Activities.
- A description of the procedures for site plan review, including the review of pre-construction site plans;
- A description of the procedures for site inspection;
- Documentation of training provided to contracting office representatives regarding the maintenance and installation of BMPs for construction stormwater control and the terms of the EPA General Permit for Discharges from Construction Activities; and
- The name or title of the person(s) responsible for coordination and implementation of the construction site runoff control program.

The Post-Construction Stormwater Management for new development and redevelopment information required for the Annual Report includes the following:

- A description of the process used to ensure that all the Permittee 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;
- A description of training provided to contracting officers regarding low impact development and green infrastructure; and
- The name or title of the person(s) responsible for coordination and implementation of the post-construction stormwater management program.

The Pollution Prevention and Good Housekeeping information required for the Annual Report includes the following:

- 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;
- A description of storm sewer inlet cleanout procedures and schedules, catch basin cleaning operations, and street sanding/salt practices, and any measures taken as a result of the evaluation to minimize negative impacts to water quality;
- A description of any changes to control measures installed to prevent the discharge of pollutants from areas described in Part 2.6.1; and

- A description of how maintenance activities are tracked for permanent stormwater control measures.

The Public Participation/Involvement information required for the Annual Report includes the following:

- Copies of the documents used to provide public notice, and any public comment received as part of the public notice process;
- Documentation of the mechanism used to allow the public to provide input; and
- Records of information submitted by the public in accordance with Part 2.7.1.3. and any actions the Permittee took to address the information.

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APPENDIX G

Delegation of Authority

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DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT CARSON
1626 ELLIS STREET, SUITE 200
FORT CARSON, CO 80913-4143

AMIM-CRG-ZA

25 November 2024

MEMORANDUM FOR RECORD

SUBJECT: Delegation of Authority for Stormwater Program Documentation

1. References:

a. 40 Code of Federal Regulation (CFR), Part 122.22(b)(1-3), Multi-Sector General Permit (MSGP) for Industrial Discharge, and Municipal Separate Storm Sewer System (MS4) Permit.

b. The United States Environmental Protection Agency (USEPA) 2022 Construction General Permit (CGP), Appendix I, Section 1.11.

2. I have signature authority for the MSGP and MS4, permit applications. For all subsequent responsibilities of the Fort Carson Stormwater Program, including CGP applications, as set forth by the USEPA, I delegate my signature authority to the personnel listed below:

- a. The Director of Public Works
- b. The Deputy Director of Public Works
- c. The Environmental Division Chief, Directorate of Public Works (DPW)
- d. The Environmental Compliance Branch Chief, DPW

3. This delegation shall remain in effect until rescinded or superseded.

4. The point of contact for this memorandum is the Stormwater Program Manager.


ERIK C. OKSENVAAAG
COL, IN
Garrison Commander

CF:
Dir, DPW
Ch, Env Div, DPW

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APPENDIX H

SOP for CGP Non-Compliance

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DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
DIRECTORATE OF PUBLIC WORKS
ENVIRONMENTAL DIVISION
COMPLIANCE BRANCH
1626 EVANS STREET, BLDG 1219
FORT CARSON, CO 80913

AMIM-CRP-E

24 March 2025

MEMORANDUM FOR RECORD

SUBJECT: Standard Operating Procedure (SOP) for Construction Site Non-Compliance

1. References:

- a. Fort Carson Municipal Separate Storm Sewer (MS4) Permit (COR042001)
- b. Fort Carson Garrison Commander (GC) Policy #17, SUBJECT: Enforcement of Construction Site Stormwater Management Program Policy, dated Aug 28, 2024
- c. 2022 Construction General Permit (CGP)

2. Purpose: To maintain compliance with the Fort Carson MS4 Permit, section 2.4. This SOP outlines the process and procedures performed when a contractor does not maintain stormwater compliance as outlined in GC Policy #17 (enclosed).

3. Applicability: The Fort Carson Stormwater Compliance Program provides oversight and assistance to construction projects throughout the installation. The Stormwater Compliance Program routinely conducts construction site inspections, documents the findings, and provides a report to construction site contractor(s). At times, stormwater compliance actions are not maintained at construction sites and enforcement procedures must be implemented.

4. Procedures:

- a. Fort Carson Stormwater Program will perform a routine site inspection. If an item of noncompliance is observed, it is documented, and reported to the construction site operator and the government project manager.
- b. The operator must perform corrective action(s). If the operator holds a CGP, the corrective action(s) must be performed, IAW the permit. In accordance with section 5.2.1 of the CGP, the contractor must immediately take all responsible steps to address the condition and prevent a contaminated discharge in a subsequent storm event. Corrective actions must be completed by COB the following day, barring any significant repair or extraordinary circumstance. In these cases, corrective actions must be completed no later than seven (7) calendar days from the time of discovery.

AMIM-CRP-E

SUBJECT: Standard Operating Procedure for Construction Site Non-Compliance

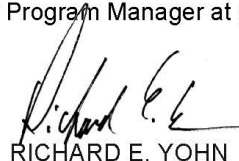
c. A follow-up inspection will be conducted by the Fort Carson Stormwater Program. If the corrective action(s) have not been implemented, the Stormwater Program will issue a Memorandum for Record (MFR) to serve as the second notice of non-compliance.

d. If the operator does not correct the issue(s), the Environmental Compliance Division will escalate non-compliance to the Environmental Division Chief, at which point, GC Policy #17 will be implemented.

5. SOP ADMINISTRATION: This SOP will be reviewed and updated annually to ensure compliance with any new regulatory or administrative directives and to ensure that it aligns with the DPW's mission.

6. The POC for this SOP is the Stormwater Program Manager at (719) 725-8073.

Encl



RICHARD E. YOHN
Environmental Compliance Chief

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END