Stormwater Pollution Prevention Plan (SWPPP)

for Stormwater Discharges Associated with Industrial Activities under the Multi-Sector General Permit (MSGP) COR05F003

Fort Carson, CO

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11 May 2021

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Abbreviations and Acronyms

ADACG	Arrival and Departure Airfield Control Group
AFB	Air Force Base
AFSBn	Army Field Support Battalion
AIM	Additional Implementation Measures
AST	Aboveground Storage Tank
BFE	Base Flood Elevation
BOD	Biological Oxygen Demand
CBI	Confidential Business Information
CDPHE	Colorado Department of Public Health and Environment
CFR	Code of Federal Regulations
COD	Chemical Oxygen Demand
CWA	Clean Water Act
DPW	Directorate of Public Works
ECAT	Environmental Compliance Assessment Team
EPA	Environmental Protection Agency
EPO	Environmental Protection Officer
FOS	Free Oil Separator
GSE	Ground Support Equipment
HWSF	Hazardous Waste Storage Facility
ICRMP	Integrated Cultural Resources Management Plan
IRP	Installation Restoration Program
MS4	Municipal Separate Storm Sewer System
MSGP	Multi-Sector General Permit

NEPA	National Environmental Policy Act
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
PAH	Polycyclic Aromatic Hydrocarbons
POL	Petroleum, Oil, and Lubricant
RCRA	Resource Conservation and Recovery Act
SCM	Stormwater Control Measure
SIC	Standard Industrial Classification
SOP	Standard Operating Procedure
SPCCP	Spill Prevention, Control, and Countermeasures Plan
SWPPP	Stormwater Pollution Prevention Plan
SWPPT	Stormwater Pollution Prevention Team
TDS	Total Dissolved Solids
T&E	Threatened and Endangered Species
TMDL	Total Maximum Daily Load
TPH	Total Petroleum Hydrocarbons
TSS	Total Suspended Solids
USAEC	United States Army Environmental Command
WLA	Waste Load Allocation
WWTP	Wastewater Treatment Plant

EXECUTIVE SUMMARY

This Stormwater Pollution Prevention Plan (SWPPP) serves as a compliance document for all of the Fort Carson managed industrial sites regulated under the 2021 Environmental Protection Agency (EPA) Multi-Sector General Permit (MSGP) for Stormwater Discharges associated with Industrial Activity (COR05F003), herein referred to as the Permit (Appendix C). The Permit has an effective date of March 1, 2021 and an expiration date of February 28, 2026. This SWPPP includes the identification of the Stormwater Pollution Prevention Team, site descriptions, evaluations of potential pollutants, description of control measures, schedules and procedures, and signatures and certifications as required by the Permit.

Industrial activities at Fort Carson have been identified by Standard Industrial Classification (SIC) Codes and Sectors as defined in 40 CFR 122.26(b)(14)(i-xi). The primary SIC Code for Fort Carson is 9711: National Security.

Although industrial stormwater coverage is not required under the primary SIC Code of 9711 according to 40 CFR 122.26(b)(14)(i-xi) and the Permit, Fort Carson recognizes that some of their activities meet other SIC code definitions that do require coverage. Industrial activity at Fort Carson falls under the following sectors: hazardous waste treatment, storage, and disposal facilities (Sector K); railroad transportation (Sector P); air transportation facility (Sector S); and a treatment works (Sector T). One of the facilities managed by Fort Carson is not contiguous to the installation. This site is included in the Fort Carson Notice of Intent (NOI) and in this SWPPP. This SWPPP includes descriptions and requirements for all Fort Carson industrial facilities managed under the Permit.

In addition, Fort Carson operates a training site called Piñon Canyon Maneuver Site (PCMS) near Trinidad, CO. Activities at PCMS were evaluated and it was determined that they do not meet the SIC Codes covered under the Permit, therefore a Notice of Termination (NOT) for previous permit coverage (COR05F002) was submitted in February 2021. A copy of the NOT is available in Appendix A.

SECTION 1: SWPPP CERTIFICATION

1.1 Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information contained herein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: CARLOS RIVERO-DEAGUILAR Title: ENVIRONMENTAL DIVISION CHIEF, DPW

Signature: Carlos Rivero-DeAguilar Date: 25 MAY 2021

1.2 Delegation of Signature Authority

Signature authority for all reports and associated information requested by the Environmental Protection Agency (EPA) for stormwater permits to include applications has been delegated by the Garrison Commander to the Director of Public Works and the Chief of the Environmental Division. The memorandum is in effect until superseded or rescinded as long as it is in writing, current and signed and in accordance with Appendix B.11 of the permit. Supporting documentation is included in Appendix B.

If an authorization under Appendix B.11 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements under Appendix B.11 must be drafted and kept with the SWPPP. This authorization will be submitted to the EPA if requested.

1.3 Additional Reviews

Revised By:

Date: 25 May 2021

Tyler W. Conquest

Stormwater Program Manager

Environmental Compliance Branch

1.4 Stormwater Pollution Prevention Plan Revisions

The following table summarizes revisions to this SWPPP.

Revision #	Description of the Revision	Date of Revision	Revision Made By
1	Complete Revision to meet new permit requirements; including removal of 79 sites that were previously permitted (See Appendix A)	11 May 2021	United States Army Environmental Command (USAEC) and Fort Carson
2	Completed NOI from the NetMSGP Submission. Signed record of Environmental Consideration.	27 May 2021	Ft. Carson Stormwater Manager
3	Inserted EPA Permit Authorization Email in Appx. A	28 June 2021	Ft. Carson Stormwater Manager
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SECTION 2: SITE DESCRIPTION (Part 6.2.2)

This SWPPP was prepared in accordance with good engineering practices and to industry standards. It was developed in part by various members of the Stormwater Pollution Prevention Team, as detailed below. The Permit is included with this SWPPP in Appendix C, and the Notice of Intent (NOI) is included in Appendix A.

2.1 Purpose

Federal regulations require stormwater discharges from regulated industrial activities be permitted under the National Pollutant Discharge Elimination System (NPDES), or a state administered NPDES [40 Code of Federal Regulations (CFR) 122.26(b) (14) (i)-(xi)]. The EPA MSGP (COR05F003) (effective 1 March 2021) covers discharges from stormwater associated with industrial activities as defined by the permit and under the Clean Water Act (CWA). The permit requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP) designed to minimize pollution through training, awareness, and source control. Implementation of the SWPPP and stormwater control measures (SCMs) will allow Fort Carson to comply with EPA requirements. A copy of the general permit is located in Appendix C. The letter authorizing coverage under this permit will be kept with the copy of the NOI in Appendix A of this SWPPP.

Fort Carson's industrial activities are described in Sections 2.3 and 2.4 of this SWPPP. The site specific information for each industrial facility is described in Appendices D - H.

2.2 Installation Overview

Fort Carson is a federal facility that occupies approximately 220 square miles south of Colorado Springs, Colorado. An additional property owned and operated by Fort Carson has industrial activities covered by this SWPPP. This facility is called the Arrival and Departure Airfield Control Group (ADACG) Facility and is near the Colorado Springs Municipal Airport. It is operated by the Army Field Support Battalion (AFSBn) – Carson. Fort Carson prepares forces for mission deployment, provides support to Soldiers and families, and coordinates with community, state, and interagency partners for the greater good of the Soldiers and their mission. Industrial activities occur at Fort Carson in support of this mission.

As an Army installation and a municipality, Fort Carson contains various types of activities that would not normally exist at a typical industrial site. Industrial activities that occur at Fort Carson include rail transportation; air transportation at the ADACG; a Hazardous Waste Storage Facility (HWSF); and a wastewater treatment plant (WWTP). Industrial stormwater discharges from these sites are managed under this SWPPP and sector specific requirements have been incorporated where applicable. Details regarding specific permitted facility activities are discussed in Section 2.4 below.

In addition, Fort Carson operates a training site called Piñon Canyon Maneuver Site (PCMS) near Trinidad, CO. Activities at PCMS were evaluated and it was determined that they do not meet the SIC Codes covered under the Permit, therefore a Notice of Termination (NOT) for previous permit coverage (COR05F002) was submitted in February 2021. A copy of the NOT is available in Appendix A.

Certain activities and facilities managed by Fort Carson that potentially qualify for MSGP coverage are not included under this Permit as described below.

Fort Carson maintained its own landfills (Sector L) for a period of time. This activity no longer occurs at the installation, and the landfills have either been remediated or closed and capped as appropriate. These final controls eliminate waste, product, or materials from exposure to stormwater. These areas are managed by the Installation Restoration Program (IRP) in accordance with State of Colorado regulations under the Resource Conservation and Recovery Act (RCRA). These facilities have been excluded from permit coverage under the no exposure exclusion.

As part of the renewal process under the 2021 MSGP, an evaluation of previously permitted activities was conducted to determine whether or not they met the SIC Code definitions requiring permit coverage. A copy of the SIC code cross walk is provided in Appendix A.

With the exception of the Rail Yard, Fort Carson facilities do not meet the SIC code definitions under Sector P. Fort Carson motor pool activities are considered to be a part of Major Group 75 (Automotive Repair, Services, and Parking) which is specifically excluded from coverage under the MSGP.

With the exception of the ADACG, Fort Carson activities previously permitted under Sector S (air transportation) do not meet the Sector S definitions. The aircraft utilized by the Army are primarily rotary wing and are directly associated with National Security, SIC code 9711, which is not covered under the MSGP.

Previously permitted Sector N have been removed as they better fit under SIC 4953 (Refuse Systems) versus SIC 5093 (Scrap and Waste Materials). SIC 4953 crosswalks to NAICS code 562920 (Materials Recovery Facilities). Fort Carson does not receive, process, and perform wholesale distribution of recyclable materials which is specifically mentioned under SIC 5093/NAICS 423930, therefore, these activities should not be permitted under the MSGP.

Activities of concern at the facilities previously covered under the MSGP (maintenance, storage, fueling, etc.) are evaluated under the good housekeeping and pollution prevention requirements of the Fort Carson Municipal Separate Storm Sewer System (MS4) permit. These sites are also routinely inspected through the Environmental Compliance Assessment Team (ECAT) inspection program and have trained Environmental Protection Officers (EPOs) to help manage the facilities and maintain compliance.

2.3 Stormwater Drainage System

Stormwater from Fort Carson is conveyed by a system of surface ditches, culverts, inlets, basins, and storm sewer lines. Fort Carson discharges stormwater to Fountain Creek. There are four permitted outfalls that discharge either directly or through tributaries to B-Ditch, Clover Ditch, Infantry Creek, and Young Hollow.

All four of the outfalls on Fort Carson discharge to impaired waters based on the Colorado Department of Public Health and Environment (CDPHE) 2020 update to Regulation 93 – Colorado's Section 303(D) list of Impaired Waters and Monitoring and Evaluation List, codified as 5 Code of Colorado Regulations (CCR) 1002-93. The four outfalls discharge to segment COARFO04_d (All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately

south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.), and do not currently have a Total Maximum Daily Load (TMDL) established. The cause of impairment is listed as E.coli.

Additionally, Fort Carson manages a property that is not contiguous to the main installation. The ADACG is located near the Colorado Springs Municipal Airport and ultimately discharges to Big Johnson Reservoir through a series of ditches, culverts, and storm sewer lines. According to the 2020 Integrated Water Quality Monitoring and Assessment Report and the associated segmentation map, Big Johnson Reservoir is in segment COARFO11_A (All lakes and reservoirs tributary to Fountain Creek which are not within the boundaries of National Forest or Air Forces Academy lands, except AFA Non-Potable Reservoir #1, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River), which is not currently listed as an impaired water.

According to Part 4.2.5.1.a of the permit, Fort Carson is required to sample the four outfalls that discharge to the impaired stream segment for E.coli once in the first year of the permit, then either annually if detected outside of the acceptable range, or again in the fourth year of the permit if not detected or within acceptable ranges. After the initial sampling, if it is determined that any presence of the pollutant is due to natural background, an exception can be sent to the EPA Regional Office to request to discontinue monitoring in accordance with Part 4.2.5.1.a.iii of the permit.

A breakdown of the permitted outfalls, receiving waters, and impairments is provided in Table 2-1.

Table 2-1. Receiving Waters

Activity	Outfall	Lat/Long	Receiving Water	Stream Segment	Impairment
Rail Yard (Area 1)	036	38°45' 45. 427" N / −104°47' 53. 254"W	B-Ditch	COARFO04_d	E. Coli
HWSF (Area 25)	094	38°41' 46. 563"N / −104°46' 37. 544"W	Infantry Creek	COARFO04_d	E. Coli
Range 121 (Area 23)	022	38°32' 55. 767"N / −104°43' 59. 038"W	Young Hollow	COARFO04_d	E. Coli
WWTP (Area 26)	093	38°43' 23. 796"N / −104°44' 39. 959"W	Clover Ditch	COARFO04_d	E. Coli
ADACG (Area 17)	053	38°46' 35. 528"N / −104°41' 42. 019"W	Big Johnson Reservoir	COARFO11_A	NA

2.4 Industrial Activities at the Facility (Part 6.2.2.1)

Industrial activities at Fort Carson have been identified by Standard Industrial Classification (SIC) Codes and Sectors as defined in 40 CFR 122.26(b)(14)(i-xi). The primary SIC Code for Fort Carson is 9711: National Security. See Figures 2-1 and 2-2 for the general locations of the industrial activities associated with Fort Carson.

Fort Carson conducts various types of activities that would not normally exist at a typical industrial site. Although industrial stormwater coverage is not required under the primary SIC Code of 9711 according to 40 CFR 122.26(b)(14)(i-xi) and the MSGP, Fort Carson recognizes that some of their activities meet other SIC code definitions that do require coverage. Industrial activity at Fort Carson falls under the following sectors: hazardous waste treatment, storage, and disposal facilities (Sector K); railroad transportation (Sector P); air transportation facility (Sector S); and a treatment works (Sector T). One of the facilities managed by Fort Carson is not contiguous to the installation. This site is included in the Fort Carson Notice of Intent (NOI) and in this SWPPP. This SWPPP includes descriptions and requirements for all Fort Carson industrial facilities managed under the MSGP in Appendices D - H, to include site specific maps.

A summary table (Table 2-2) is provided below to identify each of the five permitted outfalls, associated SIC and Sector/Subsector codes, activities, receiving streams, applicable monitoring and any Sector specific non-numeric effluent requirements. None of the permitted activities on Fort Carson are subject to Sector Specific Numeric Effluent requirements. Narratives are provided in the site specific appendices (Appendices D - H) on the rationale for why numeric effluent monitoring does not apply. Specific monitoring requirements are provided in Table 8-1 and in the site specific appendices.

Table 2-2. Stormwater Industrial Activities

Activity / Organization / Outfall	Sector	SIC Code	Receiving Waterbody	Indicator Monitoring	Benchmark Monitoring	Impaired Waters Monitoring	Sector Specific Non-numeric Effluent Requirements
Rail Yard (Army Field Support Battalion (AFSBn)) 036	P1	4013	B-Ditch	pH, TSS, COD (quarterly) PAHs (bi-annually – 1st and 4th year of permit)		E. Coli (annually – 1st and 4th year of permit unless exceedance)	- Implement good housekeeping measures applicable to the site to include: labeling/storing materials away from drains or in containment; and minimize contamination of runoff from vehicle/equipment storage areas, maintenance areas, fueling areas or other material handling areas - Minimize discharges of pollutants from locomotive sanding areas - Train employees on good housekeeping measures, used oil/solvent management, fueling procedures, and spill response.
HWSF (DPW-ENV) 094	K1	HZ	Infantry Creek	NA	Ammonia; Total Recoverable Arsenic, Cadmium, Cyanide, Lead, Mercury, Selenium, Silver (quarterly– 1st and 4th year of permit)	E. Coli (annually – 1st and 4th year of permit unless exceedance)	- No additional requirements
Range 121 (DPW-ENV) 022	K1	HZ	Young Hollow	NA	Ammonia; Total Recoverable Arsenic, Cadmium, Cyanide, Lead, Mercury, Selenium, Silver (quarterly– 1st and 4th year of permit)	E. Coli (annually – 1st and 4th year of permit unless exceedance)	- No additional requirements
WWTP (DPW-O&M) 093	T1	TW	Clover Ditch	pH, TSS, COD (quarterly)		E. Coli (annually – 1st and 4th year of permit unless exceedance)	- Minimize discharge of pollutants in stormwater where feasible by routing stormwater to treatment works or covering exposed materials (grit, screenings, sludge drying beds, etc.). - Train employees on petroleum product management; process chemical management; spill prevention and controls; fueling; general good housekeeping; and proper use of fertilizer, herbicides, and pesticides.
ADACG (AFSBn) 053	S1	4512	Big Johnson Reservoir	PAHs (bi-annually – 1st and 4th year of permit)	NA – conducted by the airport	NA	- Implement good housekeeping measures such as: minimize contamination of stormwater from aircraft, ground vehicle, and maintenance, cleaning, and storage areas; material storage areas; and fueling areas. - Inspect monthly during the deicing season (*conducted by Colorado Springs Municipal Airport)

2.5 Site Maps (Parts 6.2.2.2-3)

Stormwater site maps for each industrial activity are considered confidential or restricted information. The maps are included in Appendix Q. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. The site maps include information such as: the pattern of stormwater drainage, structural features that control pollutants in runoff, surface water bodies, and potential pollutant sources that are stored or exposed to rainfall and runoff.

Figures 2-1. Industrial Activities – Fort Carson

A general location map of Fort Carson is included as Figure 2-1 (Appendix Q).

Figure 2-2. Industrial Activities – ADACG

A general location map of the ADACG is included as Figure 2-2 (Appendix Q) as it is not contiguous to the installation.

Figure 2-3. Salt Storage

A general location map of the facility utilized by Fort Carson for the storage of salt and vehicles used to apply is included as Figure 2-3 (Appendix Q).

Figures D1 – H1. Site Specific Maps

Detailed site specific maps are included as Figures D1 - H1 (Appendix Q).

2.6 SWPPP Format

This document contains an installation-wide SWPPP and activity-specific plans in Appendices D - H. Each industrial activity will implement the SWPPP. At each site, materials and pollutants of concern are identified, along with existing SCMs.

The SWPPP will be amended as necessary in response to corrective actions, changes to control measures, or other conditions indicating the SWPPP is ineffective in controlling pollutants in stormwater discharge. A summary of amendments will be kept in Section 1.4 above, and the revised SWPPP will be published at the website listed below.

This SWPPP is publicly available with the exception of Confidential Business Information (CBI), which will be released only by request through the Stormwater Program Manager after concurrence from the Installation Security Office.

The current updated SWPPP is available at: https://www.carson.army.mil/organizations/dpw.html

SECTION 3: STORMWATER POLLUTION PREVENTION TEAM

The Fort Carson Stormwater Pollution Prevention Team (SWPPT) is responsible for developing, implementing and modifying the SWPPP, and providing required reports and inspections. The team is also responsible for maintaining and implementing Stormwater Control Measures (SCMs). Table 3-1 outlines the responsibilities of the SWPPT leader and members (Part 6.2.1).

Table 3-1. SWPPT

Member	Responsibilities
SWPPT Leader	
Stormwater Program Manager	• Primary contact for the EPA • Assume overall responsibility for implementation of the plan to include updates • Oversee all team member activities • Oversee implementation and maintenance of control measures • Take corrective action and/or additional implementation measure (AIM) responses when required • Coordinate required inspections and analytical sampling; Interpret water quality data • Review sampling and inspection reports • Maintain all records • Annual reporting • If delegated, signs inspection forms and discharge monitoring reports
SWPPT Members	
Stormwater Technician	• Facility inspections • Visual sampling • Coordination between other departments • Assist with SWPPP updates
Environmental Compliance Assessment Team (ECAT)	• Facility inspections • Coordination with facility managers • Conduct training
Stormwater Team (various consultants)	• Analytical sampling • Program support
Industrial Facility Site Coordinators (see Appendices D - H for POCs)	• Monitor compliance with scheduled activities in the SWPPP • Provide technical assistance and guidance to SWPPT Leader as necessary • Spill response • Attend training

SECTION 4: POTENTIAL POLLUTANT SOURCES (Part 6.2.3)

This SWPPP describes activities and materials at industrial sites on Fort Carson. The potential pollutant sources for each of the industrial activities are described in Appendices D – H.

4.1 Activities and Pollutants (Parts 6.2.3.1-2)

A list of activities and pollutants that are or may be exposed to stormwater is included in Appendices D - H for each industrial activity. A description of existing stormwater management controls is included in the inventory.

4.2 Spills and Leaks (Part 6.2.3.3)

General spill prevention and response procedures are outlined in Appendices D - H for each permitted facility. Additionally, any significant spills and releases of oil, toxic or hazardous pollutants that have occurred at Fort Carson industrial activities in the past 3 years are also described in the appendices. This includes the date of the release, location, content, capacity and response procedures for each. This includes releases with the potential to impact stormwater equal to or in excess of a reportable quantity under CWA section 311 (40 CFR Part 110.6 and 117.21) or section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC *§* 9602. Spills meeting these thresholds must also be reported as required by 40 CFR 110, 117, and 302. Fort Carson has a Spill Prevention, Control, and Countermeasures (SPCC) Plan to provide additional information on spill reporting and response.

4.3 Non-Stormwater Discharges (Part 6.2.3.4)

Non-stormwater discharges are those that do not originate from storm events. The Permit authorizes several non-stormwater discharges as described below. Non-stormwater discharges not authorized by the Permit or covered under a separate NPDES Permit must either be eliminated or covered under another NPDES Permit.

Authorized non-stormwater discharges include the following (Part 1.2.2.1):

- Discharges from emergency/unplanned fire-fighting activities;
- Fire hydrant flushing;
- Potable water, including water line flushings;
- Uncontaminated condensate from air conditioners, coolers/chillers, and other compressors and from the outside storage of refrigerated gases or liquids;
- Irrigation/landscape drainage, provided all pesticides, herbicides, and fertilizers have been applied in accordance with the approved labeling;
- Pavement wash waters, provided that detergents or hazardous cleaning products are not used (e.g., bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols), and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities, or any other toxic or hazardous materials, unless residues are first cleaned up

using dry clean-up methods and appropriate control measures have been implemented to minimize discharges of mobilized solids and other pollutants (e.g., filtration, detention, settlement);

- External building/structure wash-down/power wash water that does not use detergents or hazardous cleaning products (e.g., those containing bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols) and appropriate control measures have been implemented to minimize discharges of mobilized solids and other pollutants (e.g., filtration, detention, settlement);
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials;
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown; drains); and
- Any authorized non-stormwater discharge listed above or any stormwater discharge listed in Part 1.2.1 of the permit mixed with a discharge authorized by a different NPDES permit and/or discharge that does not require NPDES permit authorization.

The permit requires inspection and documentation for all discharge points under the permit by the end of the first year of permit coverage. This evaluation will be conducted during the Routine Facility Inspections and documented on the Non-Stormwater Discharge Evaluation Form (Appendix I). The SWPPP will be updated with a summary statement following the first year of the permit.

Non-stormwater discharge evaluations were initially conducted during the previous permit term from 2008–2013 by various members of the Stormwater Pollution Prevention Team. Evaluation criteria used for this process included a physical inspection of each site, a desktop review of the storm sewer infrastructure, and interviews with site personnel. Corrective actions were not required as a result of the initial evaluation.

More recent evaluations have been conducted through the annual illicit discharge survey required by the MS4 Permit, the stormwater infrastructure survey, and the oil/water separator survey.

The illicit discharge survey involves a desktop review of the storm sewer infrastructure, and a physical investigation of the primary receiving waters (e.g., B Ditch, Clover Ditch, Infantry Creek, etc.) and culverts, outfalls, or other hydrologic inputs for signs of illicit discharge. This survey occurs annually, but was most recently completed 14 September – 12 November 2020. No areas of concern were identified near the permitted industrial sites.

The stormwater infrastructure survey was conducted 21 April – 1 May 2015. This survey evaluated the stormwater system infrastructure to identify problem areas, and in doing so helped evaluate for illicit connections to the system.

The oil/water separator survey was most recently conducted 27 April – 5 May 2015. This survey involved an evaluation of the Fort Carson oil/water separators for connections to the storm sewer, and an inspection for maintenance requirements and proper function.

Ongoing evaluations are performed during routine site inspections and undocumented daily inspections conducted primarily by the ECAT team (and other Stormwater Pollution Prevention Team members as appropriate). These evaluations include physical inspections of the site and interviews with site personnel.

Records and findings of the various evaluations are maintained by the Stormwater Program Manager and can be provided upon request. Observed non-stormwater discharges would typically be fixed via work order or service order depending on the severity of the situation.

4.4 Salt Storage (Part 6.2.3.5)

Fort Carson utilizes magnesium chloride for pre-treatment of roads, as well as a mixture of sand and granular salt called "Ice Slicer". The magnesium chloride is a liquid stored in tanks within a containment area near Building 8200. The sand/salt mixture is stored indoors in Building 8214.

Building 8214 has a door equipped with a weather seal to minimize any potential discharges, with a relatively flat concrete area surrounding the facility. The access area is swept as needed as hoppers are loaded with the sand and salt mixture to prevent run-off of any excess material.

Salt is not stored at the ADACG. The Colorado Springs Municipal Airport manages aircraft and runway deicer near the ADACG.

Figure 2-3. Salt Storage

A general location map of the facility utilized by Fort Carson for the storage of salt and vehicles used to apply is included as Figure 2-3 (Appendix Q).

4.5 Sampling Data Summary (Part 6.2.3.6)

Fort Carson is an existing permitted facility, therefore a summary of the results of analytical monitoring from the previous permit term must be documented.

In the previous permit term, Fort Carson was required to conduct benchmark monitoring for Sector N at four outfalls, and for Sector K at two outfalls. Impaired waters monitoring was required at 25 outfalls across all sectors, as all receiving waters are considered impaired for E.coli.

Impaired waters sampling for E.coli began in 2016. Of the initial 25 outfalls that were sampled, only 5 had a detection. Of the 5, only one was above the standard of 126 mpn/100 ml. Fort Carson generated a letter to EPA Region 8 to document and receive concurrence that no further monitoring would occur for the 20 outfalls with no detection, and that monitoring of the 5 outfalls with detections would continue for the remainder of the permit term. The E.coli concentrations at the 5 remaining outfalls varied considerably over the four year monitoring period, though the results are attributed to natural background. Documentation is available in Appendix M.

Benchmark sampling has been difficult for Fort Carson due to the irregularity of rainfall as well as the volume of water needed to produce a discharge at many of the locations (particularly for the two Sector K outfalls), which often also leads to issues with Total Suspended Solids (TSS). Sampling for Sector N facilities resulted in exceedances of benchmark concentrations for metals (primarily Aluminum, Iron and Zinc) and TSS over the five year permit term. Metals can be attributed to both the storage occurring at these facilities as well as historical uses. Metals are transported in sediment as well, and some of the exceedances also correspond to high levels of TSS at two of the facilities that have gravel or dirt lots for storage. Sampling at the Sector K facilities resulted in exceedances primarily for magnesium. Based on

studies conducted for other programs, background levels of magnesium in the soils typical for Fort Carson range from 8,626 mg/kg to 10,722 mg/kg. This could lead to elevated levels of magnesium in the discharge due to the high volume of runoff that it would take and inevitable transportation of soils in order to obtain a stormwater sample. Sampling summaries are available in Appendix L.

SECTION 5: STORMWATER CONTROL MEASURES

Fort Carson has implemented stormwater control measures (SCMs) to meet the technology-based and water quality-based effluent limits in Part 6.2.4 of the permit. SCMs are physical, structural, and/or managerial practices that, when used alone or in combination, prevent or reduce stormwater pollution. The existing control measures utilized at Fort Carson industrial facilities are identified in Appendices D - H, along with a summary of how selection and design considerations (Part 2.1.1) and pollutant sources (Part 6.2.3) were addressed during the selection process.

SECTION 6: SCHEDULES AND PROCEDURES

The permit requires (Parts 2.1.2.2-3) the development of schedules and procedures for good housekeeping and maintenance of control measures to include: a schedule for regular pickup and disposal of trash, waste, or other floatable debris; routine inspections for leaks and conditions of drums, tanks, and containers; and a schedule for preventive maintenance activities, including regular inspections, testing, maintenance, and repair of all industrial equipment and systems, and structural or non-structural control measures. Schedules for the inspection and maintenance of existing control measures at each industrial site are identified in Appendices D - H. Documentation of regular inspection, maintenance, and repairs of control measures will be maintained in Appendix I, on the Routine Facility Inspection reports. Documentation of maintenance and repairs of control measures will include the date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function, and the justification for any extended maintenance/repair schedules.

Documentation of major repairs for a control measure that is not functioning to its designed effectiveness and is in need of repair or replacement will be done on a Corrective Action Report form located in Appendix N. In accordance with Part 2.1.2.3.b and 5.1.3 of the permit, all reasonable steps to prevent or minimize the discharge of pollutants until the final repair or replacement is implemented must be taken immediately. Immediately means on the day identified, or if too late in the day to initiate action, then the following morning. Final repairs or replacements of stormwater control measures must be completed as soon as feasible, but no later than the corrective action timeline in Part 5.1.3. This means within 14 days, or if infeasible, then within 45 days. If additional time is needed beyond 45 days, the EPA Regional Office must be notified of the intention to exceed 45 days and the rationale must be documented in the SWPPP.

Spill prevention and response procedures (Part 2.1.2.4) are outlined above in section 4.2 as well as in the site specific appendices (Appendices D - H).

No polymers or other chemical treatments are utilized for erosion and sediment controls (Part 2.2.1.5). Other methods for addressing erosion and sediment controls used on Fort Carson are outlined in the site specific appendices (Appendices D - H).

SECTION 7: EMPLOYEE TRAINING

Training is required for all employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of the permit, including all members of the SWPPT.

Training is conducted for the following personnel to complete their specific responsibilities (Part 2.1.2.8.a):

- Personnel who design, install, maintain, and/or repair stormwater controls (including pollution prevention measures);
- Personnel who store and handle chemicals and materials that could become pollutants discharged via stormwater;
- Personnel who conduct and document monitoring and inspections as required in Parts 3 and 4 of the permit; and
- Personnel who take and document corrective actions as required in Part 5 of the permit.

Training will address the following subjects, where applicable (Part 2.1.2.8.b):

- An overview of what is in the SWPPP;
- Spill response procedures, good housekeeping, maintenance requirements, and material management practices;
- The location of all controls on the site required by the permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements;
- When and how to conduct inspections, record applicable findings, and take corrective actions; and
- The facility's emergency procedures if applicable (Rail Yard only).

Training records are tracked internally and can be provided upon request.

Various types of training are given to personnel, depending on their particular roles and responsibilities.

Hazardous Waste Awareness training is given annually to personnel who could potentially handle hazardous materials or waste, and includes stormwater topics described in this SWPPP. This training is conducted by the ECAT.

In addition, certain personnel are required to take a 40 hour environmental protection officer (EPO) training course. The EPO training is a comprehensive class intended to educate personnel on proper waste disposal, pollution prevention, sustainability goals, and environmental compliance. Stormwater topics covered include an overview of the Fort Carson Stormwater Program and its role in pollution prevention, general SWPPP awareness, applicable stormwater regulations on post, and guidance on particular facilities that are permitted under the MSGP. Specific topics covered include the proper use of control measures required by the Permit (spill response procedures, maintenance requirements, material management practices, etc.), physical SCMs, good housekeeping, and other pollution prevention practices.

The EPO course is typically held at least six times per year, unless specific situations dictate a variation. The training schedule is included in Appendix P. EPOs are responsible for training and providing guidance to their subordinates on general environmental awareness topics that are covered in the course.

Personnel responsible for specific duties related to the SWPPP (for example, maintenance of a particular SCM) may receive additional, informal training from a Stormwater Pollution Prevention Team member to ensure proper training and task execution.

SECTION 8: INSPECTIONS AND MONITORING

The following sections outline inspection and monitoring requirements in accordance with the permit.

8.1 Inspections (Part 6.2.5.2)

8.1.1 Routine Facility Inspection (Quarterly) (Part 3.1)

Routine Facility Inspections are typically conducted by the Stormwater Program Manager or the Stormwater Technician as identified in the SWPPPT. Routine Facility Inspections will include all areas of the facility where industrial materials or activities are exposed to stormwater, and of all stormwater control measures used to comply with the effluent limits contained in this permit. At least once each calendar year, the Routine Facility Inspection must be conducted during a period when a stormwater discharge is occurring. Routine Facility Inspections are eligible for the inactive and unstaffed site exception (see Section 8.2 below).

A Routine Facility Inspection will be conducted once each calendar quarter:

- 1 JAN – 31 MAR;
- 1 APR – 30 JUN;
- 1 JUL – 30 SEP; and
- 1 OCT – 31 DEC

Each Sector has specific areas that must be evaluated during inspections. The information is provided in the individual site appendices (Appendices D - H). The Routine Facility Inspection must evaluate the effectiveness of the SWPPP. The following areas must be included as part of the inspection:

- Areas where industrial materials or activities are exposed to stormwater;
- Areas identified in the SWPPP and those that are potential pollutant sources;
- Areas where spills and leaks have occurred in the past three years;
- Discharge points; and
- Control measures used to comply with the effluent limits contained in the permit.

The following will be examined or looked for during the inspection:

- Industrial materials, residue, or trash that may have or could come into contact with stormwater;

- Leaks or spills from industrial equipment, drums, tanks and other containers;
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site;
- Tracking or blowing of raw, final or waste materials from areas of no exposure to exposed areas;
- Erosion of soils at the facility, channel and streambank erosion and scour in the immediate vicinity of discharge points;
- Non-authorized non-stormwater discharges;
- Control measures needing replacement, maintenance or repair; and
- During an inspection occurring during a stormwater event or discharge, observe control measures implemented to comply with effluent limits to ensure they are functioning. Discharge points (defined in Appendix A of the permit) will also be observed during this inspection. If unable to access a discharge point, the nearby downstream location will be inspected.

The following information will be documented for the Routine Facility Inspection:

- The inspection date and time;
- The name and signature of the inspector;
- Weather information;
- A description of any stormwater discharges occurring at the time of inspection;
- Any previously unidentified stormwater discharges from and/or pollutants from at the facility;
- Any evidence of, or the potential for, pollutants entering the stormwater drainage system;
- Observations regarding the physical condition of and around all stormwater discharge points, including any flow dissipation devices, and evidence of pollutants in discharges and/or the receiving water;
- Any additional stormwater control measures needed to comply with permit requirements;
- Any incidents of noncompliance; and
- A statement, signed and certified in accordance with Appendix B, Subsection 11 of the permit.

Routine Facility Inspections will be maintained in Appendix I where a copy of the form has been provided. Any deficiencies in the implementation and/or adequacy of the SCMs must be documented. Corrective actions must be implemented in accordance with Part 5 of the permit (see Section 9 below). A summary of the findings from the routine facility inspections will be included in the Annual Report.

8.1.2 Quarterly Visual Assessments (Part 3.2)

Quarterly Visual Assessments will be conducted at each facility covered under the permit. The assessment must be done at least once in each of the following quarters:

- 1 JAN – 31 MAR;
- 1 APR – 30 JUN;

- 1 JUL – 30 SEP; and
- 1 OCT – 31 DEC

Samples may be collected from discharges resulting from any precipitation event where there is a measurable discharge and will be documented on the Quarterly Visual Assessment Form which will be maintained in Appendix J, where a copy of the report form has been provided. At least one quarterly visual assessment per year will be taken by capturing snowmelt discharge. Quarterly Visual Assessments are eligible for the inactive and unstaffed site exception (see Section 8.2 below).

Quarterly Visual Assessments are not required to be collected in accordance with 40 CFR Part 136, but will be collected in a manner such that the samples are representative of the stormwater discharge. The samples will be taken:

- In a clean, clear glass or plastic container and examined in a well-lit area;
- Within the first 30 minutes of an actual discharge from a storm event. If unable to sample within the first 30 minutes, the sample will be collected as soon as possible after the first 30 minutes and the reason why will be documented. In the case of snowmelt, samples must be taken during a period with a measurable discharge; and
- From discharges that occur at least 72 hours from the previous discharge.

The following information will be documented for each sample:

- Sample location;
- Sample collection date and time, and the visual assessment date and time for each sample;
- The name and signature of the inspector collecting the sample and performing the visual assessment;
- The nature of the discharge (rain or snowmelt);
- Results of observations of the stormwater discharge as outlined in the following water quality characteristics:
    - Color;
    - Odor;
    - Clarity (diminished);
    - Floating solids;
    - Settled solids;
    - Suspended solids;
    - Foam;
    - Oil sheen; and
    - Other obvious indicators of stormwater pollution.
- Probable sources of any observed stormwater contamination;

- If applicable, why it was not possible to take samples within the first 30 minutes; and
- A statement, signed and certified in accordance with Appendix B, Subsection 11 of the permit.

Corrective actions must be implemented in accordance with Part 5.1.1 of the permit (see Section 9 below) whenever the visual assessment shows evidence of stormwater pollution in the discharge. A summary of the findings from the quarterly visual inspections will be included in the Annual Report.

Fort Carson is in a semi-arid climate, therefore quarterly visual assessments may be distributed during seasons where precipitation occurs more regularly in order to conduct four assessments each calendar year.

Adverse weather conditions are those that are dangerous or create inaccessibility for personnel and include flooding, high winds, electrical storms, or other situations that would make sampling impractical. When adverse weather conditions prevent the collection of a stormwater discharge sample during the quarter, a substitute sample must be taken during the next qualifying storm event and it will be documented on the visual assessment form as to why a substitute sample was necessary.

8.2 Monitoring

Fort Carson utilizes a contractor to collect and conduct laboratory analysis on stormwater samples in accordance with the permit requirements and outlined below. Laboratory analysis records are sent to the Stormwater Program Manager for entry into the Net-DMR system.

Collection and Analysis of Samples

Monitoring requires samples to be collected during a measurable storm event and to be collected in accordance with sampling procedures.

Measurable storm events must meet the following criteria:

- An actual discharge occurs from the site;
- At least 72 hours has passed since the last measurable storm event;
- Taken within the first 30 minutes of an actual discharge (or as soon as practicable and it is documented why not within the first 30 minutes); and
- In the case of snowmelt, samples must be taken during a period with measureable discharge.

For each monitoring event, except snowmelt monitoring, a record must be kept of the date and duration (in hours) of the rainfall event; rainfall total (in inches) for that event; and the time (in days) since the previous measureable storm event. For snowmelt monitoring, the date of the sampling event must be identified. A Measurable Storm Event form will be filled out for each monitoring event and kept with the respective monitoring records in the appropriate appendix of the SWPPP. A blank copy of the form is in Appendix P. This process applies to Indicator Monitoring, Benchmark Monitoring, Numeric Effluent Monitoring, and Impaired Waters Monitoring.

Monitoring and analysis must be conducted according the respective permit sections and consistent with 40 CFR Part 136 analytical methods that are sufficiently sensitive for the monitored parameter. Any laboratory sample analysis reports will be kept with the monitoring records in the appropriate appendix of the SWPPP.

All samples are grab samples from the five permitted outfalls identified in Table 8-1 below. None of the permitted facilities have substantially identical outfalls.

If there is no discharge from a measurable storm event during a monitoring period, it must be documented and included with the SWPPP. Substitute samples must be taken during the next measurable storm event for adverse weather conditions (see below). All documentation will be kept with the monitoring records in the appropriate appendix.

Monitoring Periods

Monitoring begins in the first full quarter following either 30 May 2021 or the date of the discharge authorization, whichever comes later. It is anticipated that monitoring would begin from 1 July – 30 September 2021, with the monitoring year from 1 July 2021 – 30 June 2022.

Each monitoring section will specify the monitoring period. This information is also included in the site specific appendices (Appendix D - H).

Monitoring Exceptions

The following exceptions may be applied to monitoring required under the permit unless stated otherwise:

- Adverse Weather Conditions;
- Facilities in Climates with Irregular Stormwater Discharges;
- Inactive and unstaffed sites; and
- Substantially identical outfalls.

Adverse Weather Conditions are those that are dangerous or create inaccessibility for personnel to collect samples or access sample locations. Examples include local flooding, high winds, electrical storms, or situations that otherwise make sampling impractical, such as drought or extended frozen conditions. When adverse weather conditions prevent the collection of samples during the quarter, a substitute sample must be taken during the next qualifying storm event. Documentation for the rationale for no assessment for the quarter must be included in the SWPPP records.

Facilities in Climates with Irregular Stormwater Discharges exceptions are those that apply due to Fort Carson being located in a semi-arid climate with limited rainfall in certain parts of the year. In this case, required monitoring events can be distributed during seasons where precipitation occurs, or when snowmelt results in a measureable discharge from the facility. The required number of samples must still be collected. A no-monitoring report must be indicated in Net-DMR for any periods where there was no monitoring.

Inactive and unstaffed sites exceptions are used at those sites that are inactive and unstaffed. In order to qualify for this exception, no industrial materials or activities can be exposed to stormwater. This exemption does not apply to any of the Fort Carson sites.

Substantially Identical Outfall exceptions are used if a facility has two or more outfalls with substantially identical discharges. It allows the permit holder to sample only one of the outfalls for benchmark monitoring, reporting that the analytical data also applies to the substantially identical outfalls as long as monitoring is performed on a rotating basis for each substantially identical outfall throughout the permit term. This exception cannot be used for discharge points with numeric effluent limitations. Fort Carson does not claim substantially identical outfalls for any of the permitted facilities.

The following table summarizes the Permitted Outfalls and required monitoring:

Table 8-1. Outfalls and associated monitoring requirements.

Activity / Organization	Building Number	Permitted Outfall	Substantially Identical Outfalls?	Sector	SIC Code	Receiving Stream	Indicator Monitoring Parameters	Benchmark Monitoring Parameters	Impaired Water Monitoring	Effluent Limitation Monitoring
Rail Yard (AFSBn)	238	036	NA	P1	4013	B-Ditch	pH, TSS, COD (quarterly) PAHs (bi-annually – 1st and 4th year of permit)		E. Coli (annually – 1st and 4th year of permit unless exceedance detected)	NA
HWSF (DPW-ENV)	9248	094	NA	K1	HZ	Infantry Creek	NA	Ammonia; Total Recoverable Arsenic, Cadmium, Cyanide, Lead, Mercury, Selenium, Silver (quarterly– 1st and 4th year of permit)	E. Coli (annually – 1st and 4th year of permit unless exceedance detected)	NA
Range 121 (DPW-ENV)	NA	022	NA	K1	HZ	Young Hollow	NA	Ammonia; Total Recoverable Arsenic, Cadmium, Cyanide, Lead, Mercury, Selenium, Silver (quarterly– 1st and 4th year of permit)	E. Coli (annually – 1st and 4th year of permit unless exceedance detected)	NA
WWTP (DPW-O&M)	3900	093	NA	T1	TW	Clover Ditch	pH, TSS, COD (quarterly)		E. Coli (annually – 1st and 4th year of permit unless exceedance detected)	NA
ADACG (AFSBn)	7314	053	NA	S1	4512	Big Johnson Reservoir	PAHs (bi-annually – 1st and 4th year of permit)	NA – conducted by the airport	NA	NA – conducted by the airport

8.2.1 Indicator Monitoring (Part 4.2.1)

Indicator monitoring is used to provide a baseline and a comparable understanding of industrial stormwater discharge quality and potential water quality problems. Indicator monitoring is **"report only"**, therefore the parameters do not have thresholds or baseline values for comparison and no follow-up action is trigged or required.

There are two types of indicator monitoring – the first is for pH, Total Suspended Solids (TSS), and Chemical Oxygen Demand (COD) from specific sectors; and the second is for Polycyclic Aromatic Hydrocarbons (PAH) from specific sectors or from all sectors if there are paved surfaces that will be sealed or re-sealed with coal-tar sealcoat. Fort Carson does not use coal-tar sealcoat at any of its permitted industrial sites, so any PAH monitoring is from specifically identified sectors in Part 4.2.1.1.b.i of the permit.

Indicator monitoring for pH, TSS, and COD will be conducted quarterly for the entirety of the permit coverage. This monitoring will be conducted from two outfalls: the Rail Yard (Sector P1 – Outfall 036) and the wastewater treatment plant (Sector T1 – Outfall 093). Monitoring will begin in the first full quarter after the discharge is authorized and will be done in each of the following 3 month periods:

- 1 JUL – 30 SEP;
- 1 OCT – 31 DEC;
- 1 JAN – 31 MAR; and
- 1 APR – 30 JUN.

Indicator monitoring for PAHs will be conducted bi-annually in the 1st and 4th year of permit coverage. This monitoring will be conducted at two outfalls: the Rail Yard (Sector P1 – Outfall 036) and the ADACG (Sector S1 – Outfall 053). Monitoring will begin in the first full quarter after the discharge is authorized and will be done once in each of the following 6 month periods in 2021/2022 and 2024/2025:

- 1 JUL – 31 DEC; and
- 1 JAN – 30 JUN.

Monitoring is required for the 16 individual PAHs identified at Appendix A to 40 CFR Part 423 and listed in Table 8-2 below:

Table 8-2. Polycyclic Aromatic Hydrocarbons (PAH).

Naphthalene	Benzo[a]anthracene
Acenaphthylene	Chrysene
Acenaphthene	Benzo[b]fluoranthene
Fluorine	Benzo[k]fluoranthene
Phenanthrene	Benzo[a]pyrene
Anthracene	Benzo[g,h,i]perylene
Fluoranthene	Indeno[1,2,3-c,d]pyrene
Pyrene	Dibenz[a,h]anthracene

Samples must be analyzed using EPA Method 625.1, or EPA Method 610/Standard -Method 6440B if preferred by the operator, consistent with 40 CFR Part 136 analytical methods.

Detailed schedules for sampling are located in the sector specific appendices (Appendix D - H).

Results are reported via Net-DMR no later than 30 days after receiving complete laboratory results for all monitoring discharge points for the reporting period. A copy of the analytical monitoring laboratory analysis must be kept with the SWPPP in Appendix K. A Measurable Storm Event form (Appendix P) will be filled out and kept with the Indicator Monitoring results in Appendix K.

8.2.2 Benchmark Monitoring (Part 4.2.2)

Benchmark monitoring is used to determine the overall effectiveness of the stormwater control measures and to assist in determining when additional actions may be necessary to comply with effluent limitations. An exceedance of a benchmark IS NOT a permit violation. However, if a benchmark exceedance triggers Additional Implementation Measures (AIM) in Part 5.2 of the permit, failure to conduct any required measures IS a permit violation. See Section 9.2 below.

Benchmark monitoring is required to be conducted at a minimum of quarterly in the 1st and 4th year of permit coverage.

Year 1 (1 JUL 2021 **–** 30 JUN 2022): If the annual average for a parameter does not exceed the benchmark threshold, monitoring for that parameter would be discontinued for the next two years.

If the annual average for a parameter exceeds the benchmark threshold:

- AIM must be implemented in accordance with Part 5.2 of the permit; and
- Continue quarterly benchmark monitoring for that parameter until results indicate that the annual average is no longer exceeded, after which monitoring for that parameter would be discontinued until the monitoring resumes in year four of permit coverage.

Quarterly monitoring must be done least once in each of the following 3 month periods, starting 1 JUL 2021:

- 1 JUL – 30 SEP;
- 1 OCT – 31 DEC;
- 1 JAN – 31 MAR; and
- 1 APR – 30 JUN.

Year 4 (1 JUL 2024 **–** 30 JUN 2025): If the annual average for a parameter does not exceed the benchmark threshold, monitoring for that parameter would be discontinued for the remainder of permit coverage.

If the annual average for a parameter exceeds the benchmark threshold:

- AIM must be implemented in accordance with Part 5.2 of the permit; and
- Continue quarterly benchmark monitoring for that parameter until results indicate that the annual average is no longer exceeded, after which monitoring for that parameter would be discontinued for

the remainder of permit coverage.

Quarterly monitoring must be done least once in each of the following 3 month periods, starting 1 JUL 2024:

- 1 JUL – 30 SEP;
- 1 OCT – 31 DEC;
- 1 JAN – 31 MAR; and
- 1 APR – 30 JUN.

Benchmark monitoring is required at two outfalls at Fort Carson (see Table 8-1 above): the HWSF (Sector K1 – Outfall 094) and Range 121 (Sector K1 – Outfall 022). Benchmark sampling is not required at the ADACG as it would be done by the airport.

Benchmark monitoring for Sector K includes parameters that are hardness dependent (Part 8.K.6 of the permit). The hardness range value for waters that Fort Carson discharges to is 250+ mg/L. Table 8-3 below outlines the benchmark monitoring parameters and the associated monitoring concentration.

Table 8-3. Benchmark Monitoring.

Parameter	Benchmark Monitoring Concentration
Ammonia	2.14 mg/L
Chemical Oxygen Demand (COD)	120 mg/L
Total Recoverable Arsenic	150 µg/L
Total Recoverable Cadmium	4.7 µg/L*
Total Recoverable Cyanide	22 µg/L
Total Recoverable Lead	262 µg/L*
Total Recoverable Mercury	1.4 µg/L
Total Recoverable Selenium	1.5 µg/L
Total Recoverable Silver	20 µg/L*

*Hardness dependent – value based on hardness range of 250+ mg/L for Fort Carson receiving waters

Samples must be analyzed consistent with 40 CFR Part 136 analytical methods using test procedures with quantitation limits at or below the thresholds for all benchmark parameters (sufficiently sensitive methods). For the purposes of averaging, a value of zero will be used if the result is less than the method detection limit. Sample values that fall between the method detection limit and the quantitation limit will use a value halfway between zero and the quantitation limit.

Detailed schedules for sampling are located in the sector specific appendices (Appendix D - H).

Results are reported via Net-DMR no later than 30 days after you have received complete laboratory results for all monitoring discharge points for the reporting period. A copy of the analytical monitoring laboratory analysis must be kept with the SWPPP in Appendix L. A Measurable Storm Event form (Appendix P) will be filled out and kept with the Benchmark Monitoring results in Appendix L.

8.2.3 Effluent Limitations Monitoring (Part 4.2.3)

Numeric Effluent Limitation monitoring is required for Sector S facilities for runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures. Although the ADACG meets this criteria, deicing is the sole responsibility of the Colorado Springs Municipal Airport, therefore numeric effluent monitoring is not required. No other facilities on Fort Carson require effluent limitations monitoring.

8.2.4 State or Tribal Required Monitoring (Part 4.2.4)

In accordance with Part 9 of the permit, the State of Colorado does not have additional monitoring required under the MSGP.

8.2.5 Impaired Waterbody Monitoring (Part 4.2.5)

Four of Fort Carson's industrial sites discharge to impaired waters with the cause of impairment listed as E.coli. Although no waste load allocations (WLA) have been established to date, impaired waters monitoring is still required in accordance with Part 4.2.5 of the permit. See Section 2.3 and Table 2-1 above for an in-depth discussion on impaired waters.

Impaired waters monitoring is required to be conducted at a minimum of annually in the 1st and 4th year of permit coverage.

Year 1 (1 JUL 2021 – 30 JUN 2022): If the monitoring results indicate that the pollutant is not detected in the discharge, monitoring for that parameter would be discontinued for the next two years.

If the monitoring results indicate that the pollutant is detected:

- Continue monitoring annually for that parameter until results indicate that the pollutant is no longer detected, after which monitoring for that parameter would be discontinued until the monitoring resumes in year four of permit coverage.

Year 4 (1 JUL 2024 – 30 JUN 2025): If the monitoring results indicate that the pollutant is not detected in the discharge, monitoring for that parameter would be discontinued for the remainder of permit coverage.

If the monitoring results indicate that the pollutant is detected:

- Continue monitoring annually for that parameter until results indicate that the pollutant is no longer detected, after which monitoring for that parameter would be discontinued for the remainder of permit coverage.

Impaired waters monitoring is required at four outfalls at Fort Carson (see Table 8-1 above): the Rail Yard (Sector P1 – Outfall 036), the HWSF (Sector K1 – Outfall 094), Range 121 (Sector K1 – Outfall 022), and the wastewater treatment plant (Sector T1 – Outfall 093).

The E.coli water quality standard for COARFO04_d from CDPHE Regulation 32 – Classifications and Numeric Standards for Arkansas River Basin is 126 most probable number (mpn) / 100ml.

Detailed schedules for sampling are located in the sector specific appendices (Appendix D - H).

Results are reported via Net-DMR no later than 30 days after receiving complete laboratory results for all monitoring discharge points for the reporting period. A copy of the analytical monitoring laboratory analysis must be kept with the SWPPP in Appendix M. A Measurable Storm Event form (Appendix P) will be filled out and kept with the Impaired Waters Monitoring results in Appendix M.

Exception (Part 4.2.5.1.a.iii)

If sampling indicates that the monitored pollutant is detected in the discharge, but it is determined the presence is caused solely by natural background sources, monitoring can be discontinued for the duration of permit coverage. Fort Carson has previously used this exception and would need to re-submit previous paperwork to EPA Region 8 to claim this exception after the first round of sampling occurs. See Appendix M for previous exception documentation.

This section of the SWPPP will be updated as needed based on the results of the initial impaired waters monitoring.

SECTION 9: CORRECTIVE ACTIONS AND ADDITIONAL IMPLEMENTATION MEASURES

If any of the following conditions occur, Fort Carson is required to follow corrective action procedures or Additional Implementation Measure (AIM) responses (Part 5 of the permit). If the event triggering the corrective action is a permit violation, correcting it does not remove the original violation. Failure to take the necessary corrective actions are also a violation of the permit.

9.1 Corrective Actions (Part 5.1)

9.1.1 Conditions Requiring SWPPP Review and Revision to Ensure Effluent Limits are Met

If any of the following conditions occur, Fort Carson is required to review and revise this SWPPP (specifically sources of pollution; spill procedures; non-stormwater discharges; and selection, design, installation and implementation of stormwater control measures) to ensure that the effluent limits are met and pollutant discharges are minimized (Part 5.1.1):

- An unauthorized release or discharge (spill, leak, or discharge of non-stormwater not authorized by a NPDES permit) occurs at the facility;
- A discharge that violates a numeric effluent limit;
- Stormwater control measures are not stringent enough for the discharge to meet applicable water quality standards or the non-numeric effluent limits in the permit;
- A required control measure was never installed, installed incorrectly, or is not properly operated and maintained; and
- Whenever a visual assessment shows evidence of stormwater pollution (color, odor, solids, and foam).

9.1.2 Conditions Requiring SWPPP Review to Determine if Modifications are Necessary

If any of the following conditions occur, Fort Carson is required to review this SWPPP (specifically sources of pollution; spill procedures; non-stormwater discharges; and selection, design, installation and implementation of stormwater control measures) to determine if modifications are necessary to meet the effluent limits of the permit (Part 5.1.2):

- Construction or a change in design, operation, or maintenance at the facility significantly changes the nature of pollutants discharged in stormwater from the facility, or
- Significantly increases the quantity of pollutants discharged.

9.1.3 Corrective Action Deadlines

Immediate Actions (Part 5.1.3.1)

Fort Carson will immediately (*) take all reasonable steps to minimize or prevent the discharge of pollutants until a permanent solution can be implemented. Reasonable steps means responding to the condition requiring the corrective action, including cleaning up any contaminated surfaces so that the material will not discharge in subsequent storm events, or making arrangements for a new SCM to be installed.

*Note: "Immediately" means on the day the condition requiring corrective action was discovered. If the problem is identified too late in the work day to initiate the corrective action, it must be performed the following work day morning.

Subsequent Actions (Part 5.1.3.2)

If additional actions are necessary beyond those implemented under Immediate Actions, the corrective actions must be completed before the next storm event if possible, and within 14 calendar days from the time of the discovery.

If it is infeasible to complete corrective action within 14 days, the reason must be documented, to include developing a schedule for completing the work. The work must be complete as soon as practicable after the 14 day timeframe, but no longer than 45 days after discovery.

If the corrective action will take greater than 45 days, the EPA Regional Office must be notified. The notification will include the rationale for the extension and the completion date. This information must also be kept with the corrective action documentation which is outlined in Section 9.3 below.

If the corrective action results in changes to any controls or procedures in the SWPPP, the SWPPP must be modified within 14 calendar days of completing the corrective action work.

Effect of Corrective Action (Part 5.1.4)

If the event triggering the review is a permit violation, correcting it does not remove the original violation. Failing to take corrective action is an additional permit violation. The appropriateness and promptness of the corrective action may be considered by the EPA in determining enforcement responses.

9.2 Additional Implementation Measures (AIM) (Part 5.2)

Additional Implementation Measures (AIM) are applicable to benchmark monitoring result exceedances. If any AIM triggering events occur as outlined below, the outlined response procedures must be followed. Different responses are required for each of the three AIM levels, which prescribe sequential and increasingly robust responses. The corresponding AIM level responses and deadlines must be followed unless an exception is applicable (Part 5.2.6 of the permit) as described in Section 9.2.4 below.

Baseline Status (Part 5.2.1)

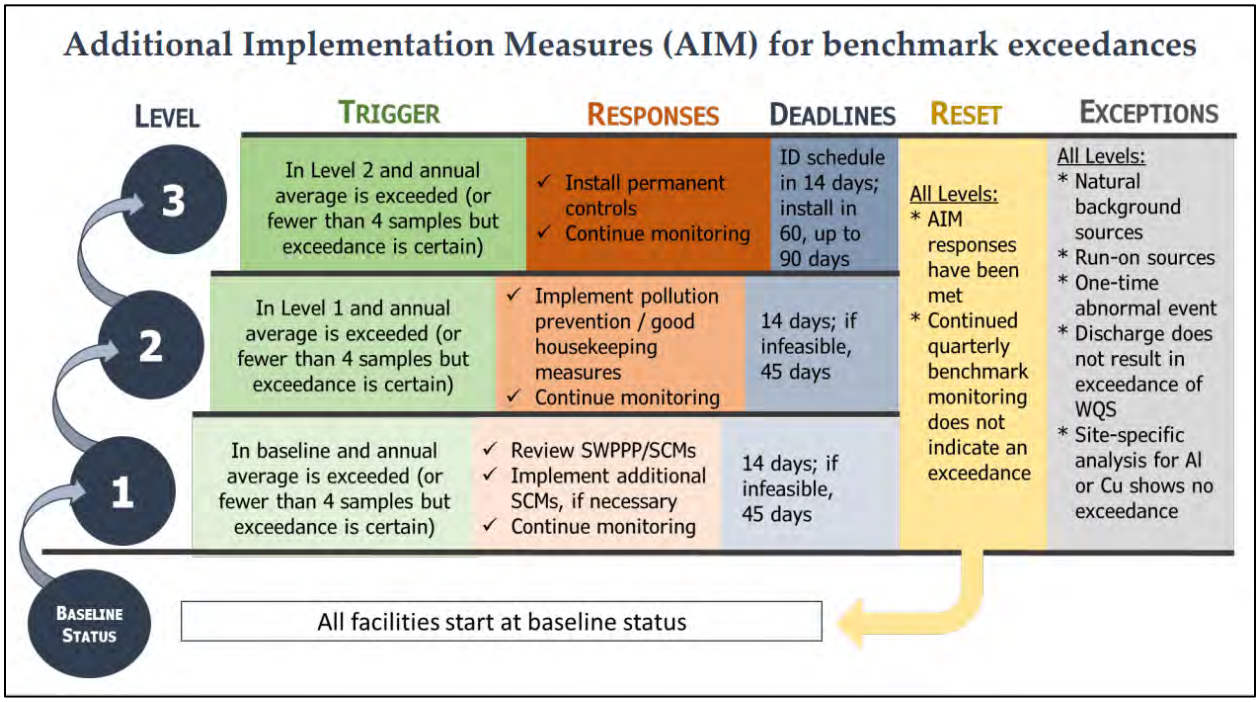
Once discharge authorization under the permit is received, Fort Carson will be in a baseline status for all applicable benchmark parameters. If an AIM triggering event occurs and all sequential steps have been followed for AIM Level 1, 2, or 3, once all corresponding AIM Level responses and conditions are met, the installation will return to baseline status.

AIM Triggering Events (Part 5.2.2)

An AIM Triggering Event exists if an annual average exceeds an applicable benchmark threshold based on the following criteria:

- The four-quarterly annual average for a parameter exceeds the benchmark threshold; or
- Fewer than four quarterly samples are collected, but a single sample or the sum of any sample results within the sampling year exceeds the benchmark threshold by more than four times for a parameter, indicating an exceedance is mathematically certain (does not apply to pH).

The graphic below provides an overview of each AIM level and the associated requirements.



9.2.1 AIM Level 1

AIM Level 1 is triggered if quarterly benchmark monitoring results indicate an exceedance of the threshold as described above and in Part 5.2.2 of the permit unless qualifying for an exception under Part 5.2.6 of the permit.

AIM Level 1 Responses:

- Review SWPPP and Stormwater Control Measures. Immediately review the SWPPP and the selection, design, installation, and implementation of SCMs to ensure effectiveness of the existing measures to determine if modifications are necessary to meet the benchmark threshold for the applicable parameter; and
- Implement Additional Control Measures.
    - After reviewing the SWPPP and SCMs, implement additional measures considering good engineering practices that would reasonably be expected to bring your exceedances below the threshold; or
    - If it is determined that nothing further needs to be done with regard to the SCMs, document per Part 5.3 of the permit and include in the annual report why it is expected that the existing control measures will bring the exceedances below the parameter's benchmark threshold for the next 12-month period.

AIM Level 1 Deadlines:

Any modifications to or additional control measure that are necessary in response to AIM Level 1 must be implemented within 14 days of receipt of laboratory results, unless doing so is infeasible. If infeasible, it must be documented per Part 5.3 of the permit and modifications must be implemented within 45 days.

Continue Quarterly Benchmark Monitoring

After compliance with AIM Level 1 responses and deadlines, quarterly benchmark monitoring will continue for the next 4 quarters for the parameter(s) that caused the AIM triggering event beginning no later than the next full quarter after compliance.

AIM Level 1 Status Update

While in AIM Level 1 Status, either:

- Return to Baseline Status. Return to baseline status if the AIM Level 1 responses have been met and continued quarterly benchmark monitoring results indicate that the benchmark threshold is no longer exceeded for the parameter(s). Benchmark monitoring will be discontinued until it resumes in year 4 of the permit or you have fulfilled all monitoring requirements for the remainder of the permit.
- Advance to AIM Level 2. AIM Level 1 status advances to AIM Level 2 status if AIM Level 1 responses have been completed and the continued quarterly benchmark monitoring indicates that the benchmark threshold continues to be exceeded for the same parameter(s).

9.2.2 AIM Level 2

AIM Level 2 is triggered if the continued quarterly benchmark monitoring results under AIM Level 1 indicate a continued exceedance of the threshold for the parameter(s) as described above and in Part 5.2.2 of the permit, unless qualifying for an exception under Part 5.2.6 of the permit.

AIM Level 2 Responses:

- Review SWPPP; and
- Implement additional pollution prevention/good housekeeping SCMs beyond what was implemented in AIM Level 1 responses that would reasonably be expected to bring exceedances below the parameter's benchmark threshold.

*Refer to the MSGP sector-specific fact sheets for recommended controls.

AIM Level 2 Deadlines:

Any additional pollution prevention/good housekeeping SCMS must be implemented within 14 days of receipt of laboratory results, and document per Part 5.3 of the permit how the measures will achieve benchmark thresholds. If feasible to implement a measure but not within 14 days, it must be implemented within 45 days and document why it was infeasible to implement the measure per Part 5.3 of the permit. The EPA may also grant an extension beyond 45 days based on appropriate demonstration of progress.

Continue Quarterly Benchmark Monitoring

After compliance with AIM Level 2 responses and deadlines, quarterly benchmark monitoring will continue for the next 4 quarters for the parameter(s) that caused the AIM triggering event beginning no later than the next full quarter after compliance.

AIM Level 2 Status Update

While in AIM Level 2 Status, either:

- Return to Baseline Status. Return to baseline status if the AIM Level 2 responses have been met and continued quarterly benchmark monitoring results indicate that the benchmark threshold is no longer exceeded for the parameter(s). Benchmark monitoring will be discontinued until it resumes in year 4 of the permit or you have fulfilled all monitoring requirements for the remainder of the permit.
- Advance to AIM Level 3. AIM Level 2 status advances to AIM Level 3 status if AIM Level 2 responses have been completed and the continued quarterly benchmark monitoring indicates that the benchmark threshold continues to be exceeded for the same parameter(s).

9.2.3 AIM Level 3

AIM Level 3 is triggered if the continued quarterly benchmark monitoring results under AIM Level 2 indicate a continued exceedance of the threshold for the parameter(s) as described above and in Part 5.2.2 of the permit, unless qualifying for an exception under Part 5.2.6 of the permit.

AIM Level 3 Responses:

Install structural source controls (e.g. permanent cover, berms, containment) and/or treatment controls (e.g. sand filters, hydrodynamic separators, oil water separators, retention ponds, infiltration structures) except as provided in Part 5.2.6 of the permit (AIM Exceptions).

- Controls, treatment technologies, or treatment train should be appropriate for the pollutants triggering AIM Level 3 and more rigorous than what was implemented in AIM Level 2 responses
- Select controls with pollutant removal efficiencies that are sufficient to bring exceedances to below the benchmark threshold

AIM Level 3 Deadlines:

Identify the schedule for installing the appropriate structural source and/or treatment stormwater control measures within 14 days and install such measures within 60 days. If feasible to implement a measure but not within 60 days, it must be implemented within 90 days and document why it was infeasible to implement the measure per Part 5.3 of the permit. The EPA may also grant an extension beyond 90 days based on appropriate demonstration of progress.

Continue Quarterly Benchmark Monitoring

After compliance with AIM Level 3 responses and deadlines, quarterly benchmark monitoring will continue for the next 4 quarters for the parameter(s) that caused the AIM triggering event beginning no later than the next full quarter after compliance.

AIM Level 3 Status Update

While in AIM Level 3 Status, either:

- Return to Baseline Status. Return to baseline status if the AIM Level 3 responses have been met and continued quarterly benchmark monitoring results indicate that the benchmark threshold is no longer exceeded for the parameter(s). Benchmark monitoring will be discontinued until it resumes in year 4 of the permit or you have fulfilled all monitoring requirements for the remainder of the permit.
- Continue in AIM Level 3. AIM Level 3 status will remain applicable if responses have been completed and the continued quarterly benchmark monitoring indicates that the benchmark threshold continues to be exceeded for the same parameter(s). Quarterly benchmark monitoring will continue for the next 4 quarters for the parameter(s) that caused the AIM triggering event beginning no later than the next full quarter after compliance. If the benchmark threshold continues to be exceeded for the same parameter even after compliance with AIM Level 3, the EPA may require an individual permit application.

9.2.4 AIM Exceptions

There are five exceptions to AIM requirements that may apply in certain circumstances (Part 5.2.6). If qualifying and claiming an exception, a review of the SCMs, SWPPP, and on-site activities must still occur to determine if actions or modifications are needed due to benchmark exceedances. If claiming an AIM exception, the requirements to demonstrate qualifying for the exception must be followed for that particular

exception. Qualifying for an exception means that compliance with AIM responses and continuation of benchmark monitoring for parameters that fall under the exception would not be required.

Solely Attributable to Natural Background Pollutant Levels (Part 5.2.6.1)

The following conditions must be met and analysis and documentation must be sent to the EPA Regional Office upon request:

- The four-quarter average concentration of benchmark monitoring results is less than or equal to the concentration of that pollutant in the natural background; and
- Document and maintain with this SWPPP (as required in Part 6.5.9) supporting rationale for concluding that the benchmark exceedances are in fact attributable solely to natural background pollutant levels. This includes any previously collected by Fort Carson or others (including literature studies) describing the levels of natural background pollutants in the stormwater discharge. Natural background pollutants are those that are naturally occurring in soils or groundwater. This does NOT include legacy pollutants from earlier activity at the site or run-on from neighboring sources that are not naturally occurring.

Due to Run-on (Part 5.2.6.2)

Demonstrate and obtain EPA agreement that run-on from a neighboring source (external to the facility) is the cause of the exceedance. The following conditions must be met and analysis and documentation must be sent to the EPA Regional Office for concurrence:

- After reviewing/revising the SWPPP as appropriate, notify the other facility or entity contributing run-on to the discharge and request they abate their pollutant contribution.
- If the other facility or entity fails to take action to address their discharges or sources of pollutants, contact the EPA Regional Office.

Due to an Abnormal Event (Part 5.2.6.3)

Document (per Part 5.3 of the permit) the following:

- That the AIM triggering event was abnormal;
- a description explaining what caused the abnormal event; and
- How any measures taken within 14 days of such event will prevent a reoccurrence of the exceedance.

A sample must be collected during the next measurable storm event to demonstrate that the result is less than the benchmark. This result must be reported in NeT-DMR in lieu of the result for the sample that caused the AIM triggering event. This exception can be used at any AIM Level, but can only be used one time per parameter and one time per discharge point.

For Aluminum and Copper Benchmark Parameters – Specific Water Quality Criteria (Part 5.2.6.4)

This exception would not apply to Fort Carson as Aluminum and Copper are not included in required benchmark monitoring parameters for any of the permitted sectors.

Demonstrated to Not Result in Any Exceedance of Water Quality Standards (Part 5.2.6.5)

Demonstrate to EPA within 30 days of the AIM triggering event that the event does not result in any exceedance of water quality standards. If not feasible to complete the demonstration within 30 days, take up to 90 days but document in the SWPPP why it was not feasible to complete within 30 days. EPA can grant an extension beyond 90 days if appropriate. The demonstration must include the following elements:

- The water quality standards applicable to the receiving water:
- The average flow rate of the stormwater discharge;
- The average instream flow rates of the receiving water immediately upstream and downstream of the discharge point;
- The ambient concentration of the parameter(s) of concern in the receiving water immediately upstream and downstream of the discharge point demonstrated by full-storm composite sampling;
- The concentration of the parameter(s) of concern in the stormwater discharge demonstrated by full-storm, flow-weighted composite sampling;
- Any relevant dilution factors applicable to the discharge; and
- The hardness of the receiving water.

The demonstration is subject to approval by the EPA. If the EPA disapproves the demonstration, compliance with the AIM requirements would begin from the date of disapproval unless a Notice of Dispute is submitted within 30 days of the disapproval.

9.3 Corrective Action and AIM Documentation (Part 5.3)

Within 24 hours of the discovery, any condition listed in Sections 9.1, 9.2.1-9.2.3 above (Parts 5.1.1 & 5.2.3-5.2.5 of the permit), the following must be documented (Part 5.3) utilizing the Corrective Action Report form in Appendix N:

- Description of the condition triggering the need for corrective action review and/or AIM response (for spills/leaks include description of the incident including material, date/time, amount, location, and reason for spill, and any leaks/spills/other releases that resulted in a discharge of pollutants to waters of the United States through stormwater or otherwise);
- The date the condition/triggering event was identified;
- Description of immediate actions (Part 5.1.3.1) taken to minimize or prevent the discharge of pollutants (for spills/leaks, include response actions, date/time clean-up is completed, notifications made, staff involved, and actions to prevent reoccurrence); and
- A statement, signed and certified in accordance with Appendix B, Subsection 11 of the permit.

Within 14 days of the discovery of any condition listed above, the following must be documented utilizing the Corrective Action Report form in Appendix N:

- Summary of the corrective action/AIM responses taken or to be taken within 14 days of the discovery of the condition/triggering event;
- The date the corrective action/AIM response was initiated;

- The date the corrective action/AIM response was completed or expected to be completed;
- If infeasible to complete the corrective action/AIM response within the specified timeframe, document rationale and schedule for installing the controls and making them operational as soon as practicable after the specified timeframe;
- If EPA was notified that an extension was required, document the rationale for the extension; and
- Any additional information and/or rationale that is required and/or applicable to the specified corrective action/AIM response in Part 5 of the permit.

Corrective actions/AIM response will be documented in the SWPPP (on the Corrective Action Report form in Appendix N, and in any necessary revisions to the SWPPP) and summarized in the annual report. Copies of previous Annual Reports are kept in Appendix O.

SECTION 10: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS

10.1 Documentation Regarding Endangered Species

Threatened and Endangered Species (T&E) on Fort Carson are managed by the Fort Carson Wildlife Program Office. There are only two federally listed species known or suspected to occur on Fort Carson, and they are both only present in downrange areas that are not affected by discharge from any facilities. Maps of known occurrences are available on request. The Fort Carson Wildlife Program Office evaluated the eligibility criteria of the Permit, the action area, and the T&E Species and habitat at Fort Carson.

There are no T&E species within the action area, and there is no evidence to suggest that stormwater discharges from the permitted facilities would have the potential to cause adverse effects to T&E species downstream of the action area. Fort Carson falls under Criterion A: "No federally-listed threatened or endangered species or their designated critical habitats are likely to occur in the "action area" as defined in Appendix A of the Permit. The Criterion Selection Worksheet is included in Appendix A of this SWPPP.

For detailed information regarding T&E species or other species at Fort Carson please contact the Wildlife Program Office at 719-526-3975. The endangered species impact is screened during the NEPA review process, which is in place for all projects being implemented on the installation.

10.2 Documentation Regarding Historic Properties

Cultural resources are managed by Fort Carson's Cultural Resources Management Program (719-526-4484 or 719-503-6136). Fort Carson has approximately 2,390 recorded cultural resources; of these, 134 are considered historic properties in accordance with the National Historic Preservation, meaning these resources are eligible for or are listed in the National Register of Historic Places.

There are no historic properties located within the area of potential effect for the A/DACG, Hazardous Waste Storage Facility, Range 121C and railyard; therefore, no historic properties will be affected. There is one historic property, the World War II Incinerator Complex Historic District, located within the area of potential for the Wastewater Treatment Facility. No direct, indirect, or cumulative adverse effects to this historic property are anticipated.

The Integrated Cultural Resources Management Plan and related Programmatic Agreements are available online at: https://www.carson.army.mil/organizations/dpw.html.

Fort Carson falls under Criterion A as the activities associated with this SWPPP have no potential to have an adverse effect on historic properties.

10.3 Documentation Regarding NEPA Review

A cross-disciplinary NEPA review was conducted on this SWPPP prior to its finalization. Comments from this review are included in Appendix A.

SECTION 11: REPORTING AND RECORD RETENTION

The following table outlines reporting requirements in accordance with the Permit:

Monitoring / Report Submission Deadlines	
Monitoring Type	Submission Deadline
Quarterly Visual Assessment	Retain on-site with SWPPP (Appendix J) and summarize in Annual Report.
Quarterly Routine Facility Inspection	Retain on-site with SWPPP (Appendix I) and summarize in Annual Report.
Non-stormwater Discharge Form	Retain on-site with SWPPP with Routine Facility Inspection Forms (Appendix I) and summarize in Annual Report.
Indicator Monitoring (+ Measurable Storm Event Form)	Submit to EPA using NeT-DMR no later than 30 days after receiving complete lab results for all discharge points for the reporting period. Retain on-site with SWPPP (Appendix K).
Benchmark Monitoring (+ Measurable Storm Event Form)	Submit to EPA using NeT-DMR no later than 30 days after receiving complete lab results for all discharge points for the reporting period. Retain on-site with SWPPP (Appendix L).
Impaired Waters Monitoring (+ Measurable Storm Event Form)	Submit to EPA using NeT-DMR no later than 30 days after receiving complete lab results for all discharge points for the reporting period. Retain on-site with SWPPP (Appendix M).
Corrective Action and AIM Response Documentation	Retain on-site with SWPPP (Appendix N) and summarize in annual report.
Annual Report	Submit to EPA through NeT-MSGP by 30 January for the previous calendar year. Retain on-site in Appendix O.

11.1 Additional Reporting (Part 7.6)

If applicable, Fort Carson will submit any of the following reports to the EPA Regional Office:

- 24-hour reporting (Appendix B.12.F of permit) - for any noncompliance which may endanger health

or the environment. Information will be reported orally within 24 hours of becoming aware of the circumstances;

- Five day follow-up reporting (Appendix B.12.F of permit) – written submission of the report within 5 business days from the time of becoming aware of a situation that requires 24-hour reporting above;
- Reportable quantity spills (Part 2.1.2.4 of the permit) – notification must be provided as soon as the permittee has knowledge of a leak, spill or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity;
- Planned changes (Appendix B.12.A of permit) – notice to EPA (no fewer than 30 days) prior to making any planned physical alterations or additions to the permitted facility that qualify the facility as a new source or that could significantly change the nature or significantly increase the quantity of pollutants discharged;
- Anticipated noncompliance (Appendix B.12.B of permit) – notice to EPA in advance of any planned changes in the permitted facility or activity which you anticipate will result in noncompliance with permit requirements;
- Compliance schedules (Appendix B.12.F of permit) – reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date;
- Other noncompliance (Appendix B.12.G of permit) – report all instances of noncompliance not reported in the Annual Report, compliance schedule report, or 24-hour report at the time monitoring reports are submitted; and
- Any other information (Appendix B.12.H of the permit) – promptly submit facts or information after becoming aware that the information was incorrect or missing in an NOI or other report.

11.2 Recordkeeping

11.2.1 Administrative Records

In accordance with Part 5 and 6.5 of the permit, the following must be retained for a period of at least three years after the date that coverage under this permit expires or is terminated:

- This SWPPP (including any modifications made during the term of the permit);
- A copy of the NOI submitted to EPA to include any correspondence with EPA about the permit;
- A copy of the authorization email received from the EPA assigning the NPDES ID;
- A copy of the permit;
- Documentation of maintenance and repair of control measures including date(s) of regular maintenance, date(s) of discovery of areas in need of repair/replacement, and for repairs, date(s) that the control measure(s) returned to full function and any justification for extended maintenance/repair schedules;
- All inspection records to include Routine Facility Inspection Reports and Visual Assessment

Documentation;

- Descriptions of deviations from schedules for visual assessments and/or monitoring to include the reason for deviation;
- Corrective action documentation required per Part 5.1 of the permit;
- Documentation of any benchmark threshold exceedances, which AIM Level triggering event the exceedance caused, and AIM response employed per Part 5.2 of the permit including: the AIM triggering event; the AIM response taken; any rationale that SWPPP/SCM changes were unnecessary; and any documentation required to meet AIM exceptions per Part 5.2.6 of the permit;
- Documentation to support any determination that pollutants of concern are not expected to be present above natural background levels if discharging directly to impaired waters and that such pollutants were not detected in your discharge after three years or were solely attributable to natural background sources (Part 4.2.5.1);
- Documentation to support status changes from active to inactive/unstaffed with respect to routine facility inspections, quarterly visual assessments, benchmark and/or impaired waters monitoring;
- All reports and certifications required by the permit;
- Monitoring data; and
- Records of data used to complete the NOI to be covered by the permit.

11.2.2 Monitoring Records

All records and information resulting from the monitoring activities required by the permit must be retained for a minimum of three (3) years after the date that coverage under the permit expires or is terminated (Part 7.7). All monitoring data will be submitted using Net-DMR (https://netdmr.epa.gov) in accordance with Part 7.3 of the permit.

Monitoring data will be reported in Net-DMR no later than 30 days after receiving complete laboratory results for all monitored discharge points for the reporting period. Changes to monitoring in accordance with Part 7.3 of the permit will be done using a Change NOI in NeT-MSGP (https://cdxnodengn.epa.gov/net-msgp/action/login) unless the EPA completes development of planned features in the electronic systems to automatically turn monitoring on or off as applicable which will trigger the changes to monitoring requirements in Net-DMR.

Copies of all monitoring records will be kept in the appropriate appendix of this SWPPP.

SECTION 12: CONSISTENCY WITH OTHER PLANS

This SWPPP has incorporated relevant information and requirements from the SPCC Plan by reference. The SPCC Plan is kept in the DPW Environmental Division offices.

SECTION 13: REFERENCES

Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity, Permit Number COR05F003, Environmental Protection Agency, effective date 1 March 2021, expiration date 28 February 2026.

Municipal Separate Storm Sewer System (MS4) Permit, Permit Number COR042001, Environmental Protection Agency, effective date 1 January 2016, expiration date 31 December 2020 (administratively extended).

National Pollutant Discharge Elimination System (NPDES) permit for Fort Carson Wastewater Treatment Facility, Permit Number CO-0021181, Environmental Protection Agency, effective date 1 December 2011, expiration date 30 September 2016 (administratively extended).

Resource Conservation and Recovery Act (RCRA) permit, Permit Number CO-17-08-29-01, Colorado Department of Public Health and Environment, effective date 28 September 2017, expiration date 28 September 2027.

Spill Prevention, Control and Countermeasures Plan (SPCC), Fort Carson Revised and Certified May 2021.

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SWPPP APPENDICES:

Appendix A: Notices of Intent, Notices of Termination and EPA Authorization Letters

Appendix B: Delegation of Authority

Appendix C: Multi-Sector General Permit (COR05F003)

Appendix D: Rail Yard

Appendix E: Hazardous Waste Storage Facility (HWSF)

Appendix F: Range 121

Appendix G: Wastewater Treatment Plant (WWTP)

Appendix H: Arrival and Departure Airfield Control Group (ADACG)

Appendix I: Routine Facility Inspections

Appendix J: Quarterly Visual Assessments

Appendix K: Indicator Monitoring

Appendix L: Benchmark Monitoring

Appendix M: Impaired Waters Monitoring

Appendix N: Corrective Action and AIM Documentation

Appendix O: Annual Reports

Appendix P: Other Information

Appendix Q: Confidential or Restricted Information

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Appendix A – Notices of Intent, Notices of Termination and EPA Authorization Letters

From:	no-reply@epacdx.net
To:	no-reply@epacdx.net
Subject:	[Non-DoD Source] EPA Multi-Sector General Permit (MSGP) Authorization for: FORT CARSON - NPDES Number: COR05F003
Date:	Saturday, June 26, 2021 8:01:36 AM
Attachments:	ATT00001.png

2021-06-26

The Environmental Protection Agency (EPA) has received a Notice of Intent (NOI) requesting coverage under the EPA 2021 Multi-Sector General Permit < Caution-https://www.epa.gov/npdes/stormwater-discharges-industrial-activities-epas-2021-msgp > (2021 MSGP). A copy of the NOI can be found here < Caution-https://npdes-ereporting.epa.gov/net-msgp/api/public/v1/form/714793/attachment/zip > . The discharge authorization date for FORT CARSON to discharge stormwater and allowable non-stormwater associated with industrial activity at FORT CARSON located at 1626 EVANS ST, BUILDING 1219, FORT CARSON, CO 80913-5035 under the 2021 MSGP is 06/26/2021. For tracking and inquiry purposes, your NPDES ID is COR05F003.

As you know, the 2021 MSGP requires that you develop a Stormwater Pollution Prevention Plan (SWPPP) prior to submitting your NOI. You should keep this email, along with any other correspondence with EPA, with your SWPPP at the facility as verification of coverage (see Part 6). All relevant provisions of the 2021 MSGP must be met, and any permit noncompliance constitutes a violation of the permit and the Clean Water Act (CWA).

The 2021 MSGP includes specific requirements for the implementation of stormwater control measures to minimize pollutant discharges and meet the permit's effluent limitations (e.g., minimizing exposure, good housekeeping, maintenance activities, spill prevention and response, employee training). The permit also requires conducting facility inspections and visual assessments of your discharges, and taking corrective actions and Additional Implementation Measures (AIM) as necessary. You must comply with any additional sector-specific requirements applicable to your industrial sector(s) in Part 8, any state-or tribal-specific requirements in Part 9, and any additional monitoring required by EPA pursuant to Part 4.2.6 (see Caution-https://www.epa.gov/npdes/stormwater-discharges-industrial-activities#msgp < Caution-https://www.epa.gov/npdes/stormwater-discharges-industrial-activities#msgp >).

You are also required to submit an Annual Report in accordance with Part 7.4 of the MSGP that will contain the results from your past calendar year's routine facility inspections, quarterly visual assessments, and corrective actions including any required AIM

documentation. Annual Reports must be submitted to EPA by January 30th each year via EPA's NPDES e-Reporting Tool (NeT) which can be accessed at Caution-https://npdes-ereporting.epa.gov/net-msgp < Caution-https://npdes-ereporting.epa.gov/net-msgp > .

The 2021 MSGP includes six types of analytical monitoring, one or more of which will now apply to your discharges:

- Indicator monitoring (see Part 4.2.1 and Part 8);
- Benchmark monitoring (see Part 4.2.2 and Part 8);
- Effluent limitations guidelines monitoring (see Part 4.2.3 and Part 8);
- State- or tribal-specific monitoring (see Part 4.2.4 and Part 9);
- Impaired waters monitoring (see Part 4.2.5); and
- Other monitoring as required by EPA (see Part 4.2.6).

You will receive a separate notification summarizing your monitoring and reporting requirements.

Please note that this email only confirms the receipt of a complete NOI and does not represent a determination by EPA regarding the validity of the information you provided in your NOI. Your electronic signature on the NOI form certifies that you have correctly determined that you are eligible for coverage under this permit and the information is true, accurate, and complete to the best of your knowledge. Discharges are not authorized if your NOI is inaccurate or if you were never eligible for permit coverage.

If you have questions about this email or about NeT, please refer to the NeT Help Center < Caution-https://epanet.zendesk.com/hc/en-us/categories/202566467 > or call 877-227-8965 or e-mail NPDESereporting@epa.gov < Caution-mailto:NPDESereporting@epa.gov > for assistance.

This is an automated response; please do not reply to this email.

NPDES FORM 3510-6	EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE NPDES MULTI-SECTOR GENERAL PERMIT	FORM Approved OMB No. 2040-0004

Permit Information

Master Permit Number: COR05F000

NPDES ID: COR05F003

Eligibility Information

State/territory where your facility is discharging: CO

Does your facility discharge to federally recognized Indian Country lands? No

Are you a *"Federal Operator"* as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)?

Yes

Which type of form would you like to submit? Notice of Intent (NOI)

By indicating "Yes" below, I confirm that I understand that the MSGP only authorizes the stormwater discharges in Part 1.1.2 and the allowable non-stormwater discharges listed in Part 1.2.2. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state, or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.2.1. and 1.2.2. will be discharged, they must be covered under another NPDES permit.

Yes

Are you a new discharger or a new source as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)?

No

- **Have stormwater discharges from your facility been covered previously under an NPDES permit?** Yes
  - **If yes, provide your most current NPDES ID (i.e., permit tracking number) if you had coverage under EPA's MSGP or the NPDES permit number if you had coverage under an EPA individual permit:**

    COR05F003
- **Are you discharging to any waters of the U.S. that are designated by the state or tribal authority under its antidegradation policy as a Tier 3 water (Outstanding National Resource water)? (See Appendix L (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_l_-_list_of_tier_3_tier_2_and_tier_2.5_waters.pdf))**

  No

What is the legal name of the Operator as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)?

FORT CARSON

What is the name of your facility or activity as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)?

FORT CARSON

Operator Information

Operator Information

Operator Name: FORT CARSON

Operator Mailing Address

Address Line 1: 1626 EVANS ST

Address Line 2:

City: FORT CARSON

ZIP/Postal Code: 80913-5035

State: CO

County or Similar Division: El Paso

Operator Point of Contact Information

First Name Middle Initial Last Name: Tyler W Conquest

Title: Stormwater Program Manager

Phone: 7195261697 **Ext.:**

Email: Tyler.w.conquest.civ@mail.mil

NOI Preparer Information

☑ **This NOI is being prepared by someone other than the certifier.**

First Name Middle Initial Last Name: Tyler W Conquest

Organization:
FORT CARSON DPW- ENVIRONMENTAL DIVISION

Phone: (719) 526-1697 **Ext.:**

Email: tyler.w.conquest.civ@mail.mil

Facility Information

Facility Information

Facility Name: FORT CARSON

Facility Address

Address Line 1: 1626 EVANS ST

Address Line 2: BUILDING 1219

City: FORT CARSON

ZIP/Postal Code: 80913-5035

State: CO

County or Similar Division: El Paso

Latitude/Longitude for the Facility

Latitude/Longitude: 38.746°N, 104.7952°W

Latitude/Longitude Data Source: Map **Horizontal Reference Datum:** WGS 84

General Facility Information

What is the ownership type of the facility? Federal Facility (U.S. Government)

Estimated area of industrial activity at your facility exposed to stormwater (rounded to the nearest quarter acre): 365.25

Is your facility presently inactive and unstaffed? No

Exception for Inactive and Unstaffed Facilities: The requirement for indicator monitoring, impaired waters monitoring, and/or benchmark monitoring does not apply at a facility that is inactive and unstaffed, as long as there are no industrial materials or activities exposed to stormwater.

If circumstances change during the permit term that affect your qualifications for this exception to monitoring requirements (i.e. industrial materials or activities exposure to stormwater or your facility's active/inactive and staffed/unstaffed status) you must submit a NOI notifying EPA of the change in circumstances.

Sector-Specific Information

Primary Sector: P **Primary Subsector:** P1

Primary SIC Code: 4013

Co-Located Sectors:

Co-Located Sector: K	**Co-Located Subsector:** K1	**Co-Located Activity Code:** HZ
Co-Located Sector: T	**Co-Located Subsector:** T1	**Co-Located Activity Code:** TW
Co-Located Sector: S	**Co-Located Subsector:** S1	**Co-Located SIC Code:** 4512

If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of pure glycol in glycol-based deicing fluids and/or 100 tons or more of urea on an average annual basis?

No

Discharge Information

By indicating "Yes" below, I confirm that I understand that the MSGP only authorizes the stormwater discharges in Part 1.2.1 and the allowable non-stormwater discharges listed in Part 1.2.2. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state, or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an inspection, etc. If any discharges requiring NPDES permit coverage other than the authorized stormwater and non-stormwater discharges listed in Parts 1.2.1 and 1.2.2 will be discharged, they must be covered under another NPDES permit.

Yes

Federal Effluent Limitation Guidelines

Identify the Effluent Limitation Guideline(s) that apply to your stormwater discharges.

40 CFR Part/Subpart	Eligible Discharges	Affected MSGP Sector	New Source Date	Applicability
Part 449	Existing and new primary airports with1,000 or more annual jet departures that discharge wastewater associated with airfield pavement deicing that contains urea commingled with stormwater	S	06/15/2012	**Does your facility have any discharges subject to this effluent limitation guideline?** No
Part 445, Subpart A & B	Runoff from hazardous waste and non-hazardous waste landfills	K	02/28/2000	**Does your facility have any discharges subject to this effluent limitation guideline?** No

Are you requesting permit coverage for any stormwater discharges subject to effluent limitation guidelines? No

Other Discharge Information

Does your facility discharge into a Municipal Separate Sewer System (MS4)? Yes

➔ **If yes, provide the name of the MS4 operator:** Fort Carson

Receiving Waters Information

List all of the stormwater discharge points from your facility.

Discharge Point 093: Waste Water Treatment Plant

Applicable Sectors

Select the Sectors/Subsector(s) that apply to this discharge point.

	Sector	Subsector	SIC/Activity Code
☐	**K** - HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	**K1** - Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	HZ
☐	**P** - LAND TRANSPORTATION AND WAREHOUSING	**P1** - Railroad Transportation; Local and Highway Passenger Transportation; Motor Freight Transportation and Warehousing; United States Postal Service; Petroleum Bulk Stations and Terminals	4013
☑	**T** - TREATMENT WORKS	**T1** - Treatment Works treating domestic sewage, including land dedicated to the disposal of sewage sludge, with a design flow of 1.0 mgd or more or required to have a pretreatment program under 40 CFR Part 403.	TW

	Sector	Subsector	SIC/Activity Code
☐	**S** - AIR TRANSPORTATION FACILITIES	**S1** - Air Transportation Facilities	4512

Latitude/Longitude: 38.723778°N, 104.744444°W

☐ **This discharge point is *Substantially Identical* to an existing discharge point.**

Receiving Water

GNIS Name: n/a

Waterbody Name: Clover Ditch

Listed Water ID: n/a

Is this receiving water saltwater or freshwater? Freshwater

Is this receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)?

No

Will you have stormwater discharges from paved surfaces that will be initially sealed or re-sealed with coal-tar sealcoat where industrial activities are located during coverage under this permit?

No

Benchmark Monitoring

Are you subject to benchmark monitoring requirements for a hardness-dependent metal? No

Impaired Waters Monitoring

NOTE: The information automatically populated in this section for determining if the receiving water is listed as impaired on the 303(d) list and in need of a TMDL, the cause(s) of the impairment if the receiving water is impaired on the CWA 303(d) list, if a TMDL has been completed for the receiving waterbody, and the TMDL ID and pollutants for which there is a TMDL may be outdated and inaccurate. It is recommended that you consult with your state's guidance for discharges into impaired waters to determine the correct pollutants and TMDLS and update the causes for the impairment and TMDL information accordingly.

Is the receiving water listed as impaired on the 303(d) list and in need of a TMDL? Yes

Cause of Impairment Group	Pollutant
PATHOGENS	E. coli

Has a TMDL been completed for this receiving waterbody? No

Discharge Point 053: Aircraft Departure and Control Group

Applicable Sectors

Select the Sectors/Subsector(s) that apply to this discharge point.

	Sector	Subsector	SIC/Activity Code
☐	**K** - HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	**K1** - Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	HZ
☐	**P** - LAND TRANSPORTATION AND WAREHOUSING	**P1** - Railroad Transportation; Local and Highway Passenger Transportation; Motor Freight Transportation and Warehousing; United States Postal Service; Petroleum Bulk Stations and Terminals	4013
☐	**T** - TREATMENT WORKS	**T1** - Treatment Works treating domestic sewage, including land dedicated to the disposal of sewage sludge, with a design flow of 1.0 mgd or more or required to have a pretreatment program under 40 CFR Part 403.	TW
☑	**S** - AIR TRANSPORTATION FACILITIES	**S1** - Air Transportation Facilities	4512

Latitude/Longitude: 38.776536°N, 104.695005°W

☐ **This discharge point is *Substantially Identical* to an existing discharge point.**

Receiving Water

GNIS Name: n/a

Waterbody Name: Big Johnson Reservoir

Listed Water ID: n/a

Is this receiving water saltwater or freshwater? Freshwater

Is this receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)?

No

Will you have stormwater discharges from paved surfaces that will be initially sealed or re-sealed with coal-tar sealcoat where industrial activities are located during coverage under this permit?

No

Benchmark Monitoring

Are you subject to benchmark monitoring requirements for a hardness-dependent metal? No

Impaired Waters Monitoring

NOTE: The information automatically populated in this section for determining if the receiving water is listed as impaired on the 303(d) list and in need of a TMDL, the cause(s) of the impairment if the receiving water is impaired on the CWA 303(d) list, if a TMDL has been completed for the receiving waterbody, and the TMDL ID and pollutants for which there is a TMDL may be outdated and inaccurate. It is recommended that you consult with your state's guidance for discharges into impaired waters to determine the correct pollutants and TMDLS and update the causes for the impairment and TMDL information accordingly.

Is the receiving water listed as impaired on the 303(d) list and in need of a TMDL? No

Has a TMDL been completed for this receiving waterbody? No

Discharge Point 094: Hazardous Waste Storage Facility

Applicable Sectors

Select the Sectors/Subsector(s) that apply to this discharge point.

	Sector	Subsector	SIC/Activity Code
☑	**K** - HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	**K1** - Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	HZ
☐	**P** - LAND TRANSPORTATION AND WAREHOUSING	**P1** - Railroad Transportation; Local and Highway Passenger Transportation; Motor Freight Transportation and Warehousing; United States Postal Service; Petroleum Bulk Stations and Terminals	4013
☐	**T** - TREATMENT WORKS	**T1** - Treatment Works treating domestic sewage, including land dedicated to the disposal of sewage sludge, with a design flow of 1.0 mgd or more or required to have a pretreatment program under 40 CFR Part 403.	TW
☐	**S** - AIR TRANSPORTATION FACILITIES	**S1** - Air Transportation Facilities	4512

Latitude/Longitude: 38.696278°N, 104.777083°W

☐ **This discharge point is *Substantially Identical* to an existing discharge point.**

Receiving Water

GNIS Name: n/a

Waterbody Name: Infantry Creek

Listed Water ID: n/a

Is this receiving water saltwater or freshwater? Freshwater

➔ **Is your receiving water(s) still/standing (lentic) (e.g. lake impoundment) or flowing (lotic) (e.g. river or stream)?** Flowing

Is this receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)?

No

Will you have stormwater discharges from paved surfaces that will be initially sealed or re-sealed with coal-tar sealcoat where industrial activities are located during coverage under this permit?

No

Benchmark Monitoring

Are you subject to benchmark monitoring requirements for a hardness-dependent metal? Yes

What is the hardness of your receiving water(s)? 250

(mg/L)

Impaired Waters Monitoring

NOTE: The information automatically populated in this section for determining if the receiving water is listed as impaired on the 303(d) list and in need of a TMDL, the cause(s) of the impairment if the receiving water is impaired on the CWA 303(d) list, if a TMDL has been completed for the receiving waterbody, and the TMDL ID and pollutants for which there is a TMDL may be outdated and inaccurate. It is recommended that you consult with your state's guidance for discharges into impaired waters to determine the correct pollutants and TMDLS and update the causes for the impairment and TMDL information accordingly.

Is the receiving water listed as impaired on the 303(d) list and in need of a TMDL? Yes

Cause of Impairment Group	Pollutant
PATHOGENS	E. coli

Has a TMDL been completed for this receiving waterbody? No

Discharge Point 022: Range 121

Applicable Sectors

Select the Sectors/Subsector(s) that apply to this discharge point.

	Sector	Subsector	SIC/Activity Code
☑	**K** - HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	**K1** - Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	HZ
☐	**P** - LAND TRANSPORTATION AND WAREHOUSING	**P1** - Railroad Transportation; Local and Highway Passenger Transportation; Motor Freight Transportation and Warehousing; United States Postal Service; Petroleum Bulk Stations and Terminals	4013
☐	**T** - TREATMENT WORKS	**T1** - Treatment Works treating domestic sewage, including land dedicated to the disposal of sewage sludge, with a design flow of 1.0 mgd or more or required to have a pretreatment program under 40 CFR Part 403.	TW
☐	**S** - AIR TRANSPORTATION FACILITIES	**S1** - Air Transportation Facilities	4512

Latitude/Longitude: 38.548833°N, 104.733056°W

☐ **This discharge point is *Substantially Identical* to an existing discharge point.**

Receiving Water

GNIS Name: n/a

Waterbody Name: Young Hollow

Listed Water ID: n/a

Is this receiving water saltwater or freshwater? Freshwater

➥ **Is your receiving water(s) still/standing (lentic) (e.g. lake impoundment) or flowing (lotic) (e.g. river or stream)?** Flowing

Is this receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)?

No

Will you have stormwater discharges from paved surfaces that will be initially sealed or re-sealed with coal-tar sealcoat where industrial activities are located during coverage under this permit?

No

Benchmark Monitoring

Are you subject to benchmark monitoring requirements for a hardness-dependent metal? Yes

➥ **What is the hardness of your receiving water(s)?** 250

(mg/L)

Impaired Waters Monitoring

NOTE: The information automatically populated in this section for determining if the receiving water is listed as impaired on the 303(d) list and in need of a TMDL, the cause(s) of the impairment if the receiving water is impaired on the CWA 303(d) list, if a TMDL has been completed for the receiving waterbody, and the TMDL ID and pollutants for which there is a TMDL may be outdated and inaccurate. It is recommended that you consult with your state's guidance for discharges into impaired waters to determine the correct pollutants and TMDLS and update the causes for the impairment and TMDL information accordingly.

Is the receiving water listed as impaired on the 303(d) list and in need of a TMDL? Yes

Cause of Impairment Group	Pollutant
PATHOGENS	E. coli

Has a TMDL been completed for this receiving waterbody? No

Discharge Point 036: Railyard

Applicable Sectors

Select the Sectors/Subsector(s) that apply to this discharge point.

	Sector	Subsector	SIC/Activity Code
☐	**K** - HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	**K1** - Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	HZ
☑	**P** - LAND TRANSPORTATION AND WAREHOUSING	**P1** - Railroad Transportation; Local and Highway Passenger Transportation; Motor Freight Transportation and Warehousing; United States Postal Service; Petroleum Bulk Stations and Terminals	4013
☐	**T** - TREATMENT WORKS	**T1** - Treatment Works treating domestic sewage, including land dedicated to the disposal of sewage sludge, with a design flow of 1.0 mgd or more or required to have a pretreatment program under 40 CFR Part 403.	TW
☐	**S** - AIR TRANSPORTATION FACILITIES	**S1** - Air Transportation Facilities	4512

Latitude/Longitude: 38.762619°N, 104.798126°W

☐ **This discharge point is *Substantially Identical* to an existing discharge point.**

Receiving Water

GNIS Name: n/a

Waterbody Name: B-Ditch

Listed Water ID: n/a

Is this receiving water saltwater or freshwater? Freshwater

Is this receiving water designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water)?

No

Will you have stormwater discharges from paved surfaces that will be initially sealed or re-sealed with coal-tar sealcoat where industrial activities are located during coverage under this permit?

No

Benchmark Monitoring

Are you subject to benchmark monitoring requirements for a hardness-dependent metal? No

Impaired Waters Monitoring

NOTE: The information automatically populated in this section for determining if the receiving water is listed as impaired on the 303(d) list and in need of a TMDL, the cause(s) of the impairment if the receiving water is impaired on the CWA 303(d) list, if a TMDL has been completed for the receiving waterbody, and the TMDL ID and pollutants for which there is a TMDL may be outdated and inaccurate. It is recommended that you consult with your state's guidance for discharges into impaired waters to determine the correct pollutants and TMDLS and update the causes for the impairment and TMDL information accordingly.

Is the receiving water listed as impaired on the 303(d) list and in need of a TMDL? Yes

Cause of Impairment Group	Pollutant
PATHOGENS	E. coli

Has a TMDL been completed for this receiving waterbody? No

SWPPP Information

Has the SWPPP been prepared in advance of filing this NOI, as required? Yes

SWPPP Contact Information:

First Name Middle Initial Last Name: Tyler W Conquest

Phone: 7195261697 **Ext.:**

Email: tyler.w.conquest.civ@mail.mil

SWPPP Availability:

Your current SWPPP or certain information from your SWPPP must be made available through one of the following three options. Select one of the options and provide the required information.

Note: you are not required to post any confidential business information (CBI) or restricted information (as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)) (such information may be redacted), but you must clearly identify those portions of the SWPPP that are being withheld from public access.

☐ **Option 1: Attach a current copy of your SWPPP to this NOI.**

☑ **Option 2: Maintain a Current Copy of your SWPPP on an Internet page (Universal Resource Locator or URL).**

Provide the web address URL (e.g. http://www.example.com): https://www.carson.army.mil/organizations/dpw.html

☐ **Option 3: Provide the following information from your SWPPP:**

Endangered Species Protection Worksheet: Criterion A

The following questions will help you determine your eligibility under Part 1.1.4 of the permit with respect to protection of Endangered Species Act (ESA) species and critical habitat(s). Please refer to Appendix E (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_e_-_procedures_relating_to_endangered_species_protection.pdf) of the 2021 MSGP for important information regarding your obligations under this permit concerning ESA-protected species and critical habitat(s).

Determine ESA Eligibility Criterion

Are your industrial activities already addressed in another operator's valid certification of eligibility for your "action area" under eligibility criteria A, C, D, or E of the 2021 MSGP?

No

Has consultation between you, a Federal Agency, and the USFWS and/or the NMFS under section 7 of the Endangered Species Act (ESA) concluded?

Consultations can be either formal or informal, and would have occurred only as a result of a separate federal action (e.g., during application for an individual wastewater discharge permit or the issuance of a wetlands dredge and fill permit), and the consultation must have addressed the effects of your industrial activity's discharges and discharge-related activities on ESA-listed species and/or critical habitat under the jurisdiction of USFWS and/or NMFS in your action area.

No

Are your industrial activities the subject of a permit under section 10 of the ESA by the USFWS and/or NMFS, and this authorization addresses the effects of your facility's discharges and discharge-related activities on ESA-listed species and critical habitat?

No

You must determine whether species listed as either threatened or endangered under the Endangered Species Act, and/or their critical habitat are located in your facility's action area. ESA-listed species and critical habitat are under the purview of the NMFS and the USFWS.

Determine Your Action Area

Your "action area" (as defined in Appendix A (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_a_-_definitions.pdf)) includes all areas to be affected directly or indirectly by the action and not merely the immediate area involved in the action, including areas beyond the footprint of the facility that are likely to be affected by stormwater discharges, discharge-related activities, and authorized non-stormwater discharges. You must select and confirm that all the following are true:

- **In determining my "action area", I have considered that discharges of pollutants into downstream areas can expand the action area well beyond the footprint of my facility and the discharge point(s). I have taken into account the controls I will be implementing to minimize pollutants and the receiving waterbody characteristics (e.g. perennial, intermittent, ephemeral) in determining the extent of physical, chemical, and/or biotic effects of the discharges. I confirm that all receiving waterbodies that could receive pollutants from my facility are included in my action area.**

  True

- **In determining my "action area", I have considered that discharge-related activities must also be accounted for in determining my action area. I understand that discharge-related activities are any activities that cause, contribute to, or result in stormwater and authorized non-stormwater point source discharges, and measures such as the siting, construction, and operation of stormwater controls to control, reduce, or prevent pollutants from being discharged. I understand that any new or modified stormwater controls that will have noise or other similar effects, and any disturbances associated with construction of controls, are part of my action area.**

  True

Provide a written description of your action area and explain your rationale for the extent of the action area drawn on your map. Click here for an example.

The area as well as the drainage leading to the water of the U.S to which the facilities discharge has been accounted for as seen in the polygons on the map provided.

Attach a map of the action area for your facility. Mapping tool IPaC (the Information, Planning, and Consultation System) located at http://ecos.fws.gov/ipac/ (https://ecos.fws.gov/ipac/) or click here (/net-msgp/documents/action_area_example.pdf) for an example.

Name	Uploaded Date	Size
C:Userstyler.w.conquestDesktopAction Area Map.jpg (attachment/716139)	05/26/2021	971.45 KB

Determine if ESA-listed species and/or critical habitat are in your facility's action area.

ESA-listed species and critical habitat are under the purview of the NMFS and the USFWS, and in many cases, you will need to acquire species and critical habitat lists from both federal agencies.

National Marine Fisheries Service (NMFS)

To obtain NMFS-listed species and critical habitat information, use the resources listed below:

General Resources:

- NOAA Fisheries, Regions Page (https://www.fisheries.noaa.gov/regions)

For the Northeastern U.S.:

- NOAA Fisheries Greater Atlantic Region ESA Section 7 Mapper (https://noaa.maps.arcgis.com/apps/webappviewer/index.html?id=1bc332edc5204e03b250ac11f9914a27)

For Puerto Rico:

- *Acropora* critical habitat map (https://www.fisheries.noaa.gov/resource/map/acropora-elkhorn-and-staghorn-coral-critical-habitat-map-and-gis-data)
- Green turtle critical habitat map (https://www.fisheries.noaa.gov/resource/map/green-turtle-critical-habitat-map-and-gis-data)
- Hawksbill Turtle critical habitat map (https://www.fisheries.noaa.gov/resource/map/hawksbill-turtle-critical-habitat-map-and-gis-data)

Western U.S.:

- West Coast Region Protected Resources App (https://www.webapps.nwfsc.noaa.gov/portal/apps/webappviewer/index.html?id=7514c715b8594944a6e468dd25aaacc9)

Pacific Islands:

- Contact the Pacific Islands Regional Office at (808) 725-5000 or pirohonolulu@noaa.gov (mailto:pirohonolulu@noaa.gov)

I have checked the webpages listed above and confirmed that:

There are no NMFS-listed species and/or critical habitat in my action area.

U.S. Fish and Wildlife Service (USFWS)

To obtain FWS-listed species and critical habitat information, use the resources listed below:

- IPaC (the Information, Planning, and Consultation System) (https://ecos.fws.gov/ipac/)
- For instructions for using IPaC, click here.

I have checked the webpages listed above and confirmed that:

There are no FWS-listed species and/or critical habitat in my action area.

You are eligible under **Criterion A**

Identify the USFWS and NMFS information sources used (Note: state resources are not acceptable):

```
https://ecos.fws.gov/ipac/location/index
```

You must attach copies of any letters or other communications with the USFWS or NMFS. Attaching aerial image(s) of the site to this NOI is helpful to EPA, USFWS, and NMFS in confirming eligibility under this criterion.

Name	Uploaded Date	Size
C:Userstyler.w.conquestDesktopAction Area Map.jpg (attachment/716159)	05/26/2021	971.45 KB

Historic Preservation: Criterion A

The following questions will help you determine your eligibility under Part 1.1.5 of the permit with respect to preservation of historic properties. You may still use the paper instructions in Appendix F (https://www.epa.gov/sites/production/files/2021-01/documents/2021_msgp_-_appendix_f_-_procedures_relating_to_historic_properties_preservation.pdf) of the MSGP in advance or in conjunction with answering the questions in this section of the form. For more information about your State Historic Preservation Office (SHPO) or Tribal Historic Preservation Office (THPO), please visit the National Park Service (NPS) websites at:

- **State Historic Preservation Office (SHPO) (https://www.nps.gov/subjects/nationalregister/state-historic-preservation-offices.htm)**
- **Tribal Historic Preservation Office (THPO) (https://www.nps.gov/history/tribes/Tribal_Historic_Preservation_Officers_Program.htm)**

Are you an existing facility that is resubmitting for certification under the 2021 MSGP? Yes

If you are an existing facility you should have already addressed National Historic Preservation Act (NHPA) issues. To gain coverage under the 2015 MSGP, you were required to certify that you were either not affecting historic properties or had obtained written agreement from the relevant SHPO or THPO regarding methods of mitigating potential impacts.

Will you be constructing or installing any new stormwater control measures? No

You are eligible under **Criterion A**.

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Carlos Rivero-deaguilar

Certifier Title: Environmental Division Chief

Certifier Email: carlos.rivero-deaguilar.civ@mail.mil

Certified On: 05/27/2021 9:41 AM ET

2. Written concurrence from the applicable Service(s) with a finding that your facility's discharges and discharge-related activities are not likely to adversely affect ESA-listed species or designated critical habitat.

You must verify that the consultation does not warrant reinitiation under 50 CFR §402.16. If reinitiation of consultation is required, in order to be eligible under this criterion you must ensure consultation is reinitiated and the result of the consultation must be consistent with Criterion D (i), or (ii) above.

If eligible under Criterion D, you must also provide supporting documentation for your determination in your NOI and SWPPP, including the Biological Opinion (or ECO tracking number) or concurrence letter. You must include copies of the correspondence between yourself and the USFWS and/or NMFS in your SWPPP and your NOI. **[Basis statement content: A basis statement supporting the selection of this criterion should identify the federal action agency(ies) involved, the field office/regional office(s) providing that consultation, any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, ECO number), and the date the consultation was completed.]**

☐ E. **Issuance of section 10 permit.** Potential take is authorized through the issuance of a permit under section 10 of the ESA by the USFWS and/or NMFS, and this authorization addresses the effects of the facility's discharges and discharge-related activities on ESA-listed species and designated critical habitat. You must include copies of the correspondence between yourself and the participating agencies in your SWPPP and your NOI. **[Basis statement content: A basis statement supporting the selection of this criterion should identify whether USFWS or NMFS or both agencies provided a section 10 permit, the field office/regional office(s) providing permit(s), any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, ECO number), and the date the permit was granted.]**

H. Historic Preservation

1. If your facility is not located on Indian country lands, is your facility located on a property of religious or cultural significance to an Indian tribe?

☐ YES ☒ NO

If yes, provide the name of the Indian tribe associated with the property: _____

2. Using the instructions in Appendix F of the MSGP, under which historic properties preservation criterion listed in Part 1.1.4.6 are you eligible for coverage under this permit (only check 1 box)?

☒ A ☐ B ☐ C ☐ D

I. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle, Last Name: NATHAN R SPRINGER

Title: GARRISON COMMANDER

Signature: _____ Date: ___ / ___ / _____

E-mail: nathan.r.springer.mil@mail.mil

NPDES FORM 3510-7		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF TERMINATION (NOT) FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE NPDES MULTI-SECTOR GENERAL PERMIT	FORM Approved OMB No. 2040-0004

Permit Information

NPDES ID: COR05F002

Reason for Termination:

☐ A new owner or operator has taken over responsibility for the facility.

☐ You have ceased operations at the facility, there are not or no longer will be discharges of stormwater associated with industrial activity from the facility, and you have already implemented necessary sediment and erosion controls as required by Part 2.1.2.5.

☐ You are a Sector G, H, or J facility and you have met the applicable termination requirements.

☐ You obtained coverage under an individual or alternative general permit for all discharges required to be covered by an NPDES permit.

☑ Other

None of the sector specific sites at Pinon Canon Maneuver Site meet the SIC Codes.

Operator Information

Operator Information

Operator Name: PINON CANYON MANEUVER SITE

Operator Mailing Address

Address Line 1: 1626 EVANS ST. BUILDING 1219

Address Line 2:

City: FORT CARSON

ZIP/Postal Code: 80913-5035

State: CO

County or Similar Division:

Phone: 7195261697

Ext.:

Email: suzanne.a.rohrs.civ@mail.mil

Facility Information

Facility Information

Facility Name: PINON CANYON MANEUVER SITE

Facility Address

Address Line 1: 36086 US HIGHWAY 350

Address Line 2:

City: MODEL

ZIP/Postal Code: 81059

State: CO

County or Similar Division: Las Animas

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Carlos Rivero-deaguilar

Certifier Title: Environmental Division Chief

Certifier Email: carlos.rivero-deaguilar.civ@mail.mil

Certified On: 02/18/2021 5:02 PM ET

Area #	Bldg #	Unit	Site Name	Outfall #	Previous Sector	Previous Primary SIC or Activity Code	Actual Primary SIC or Activity Code	Actual EPA MSGP Industrial Sector	Rationale
1	238	LRC	Equipment Maintenance (Rail)	0036	P	4013	4013	P	Installations that own their own train engines to move equipment and aid in switching line haul cars to another non-Army owned engine fit under SIC Code 4013 and should be included under the industrial stormwater permit. Rail heads that are strictly used for loading/unloading equipment without an Army owned engine are not included.
2	501	759 MP	Vehicle Maintenance Shop	0038/0009	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
2	640	4 SB	Vehicle Maintenance Shop	0090	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

2	702	4 SB	Vehicle Maintenance Shop	0088	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
2	749	4ID/TMP	Vehicle Maintenance Shop	0007	P	4231	4173	P	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP). The TMP at Fort Carson does not conduct it's own maintenance, therefore, does not require coverage under the MSGP.
3	8000	LRC	Maintenance Facility	0048/0008	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

3	8010	DPW	DPW/T+H Services Admin and Supply	0059	P	4225	9711	NA	Warehouses do not meet the Industry Group 422 definition of "Public Warehousing and Storage" as none are used for goods available to the public.
3	8012	LRC	Storage	0060/0061/0062	P	4225	9711	NA	Warehouses do not meet the Industry Group 422 definition of "Public Warehousing and Storage" as none are used for goods available to the public.
3	8030	4 SB	Vehicle Maintenance Shop/SSA	0016	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
3	8142	4 SB	Vehicle Maintenance Shop/SSA	0046/0017	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

3	8152	4 EN	TEMF (4 EN BN)	0018/0047	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
3	8200	DPW	DPW/T+H Vehicle Maintenance Shop	0068/0067	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
3	8300	4 SB	Vehicle Maintenance Shop/SSA	0045	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

3	8930	USARC	Vehicle Maintenance Shop	0049	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
4	1187	10 CSH	Storage	0057/0087	P	4225	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
4	1282	10 CSH	Vehicle Maintenance Shop	0013	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

4	1392	4 CAB	Vehicle Maintenance Shop	0014	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
5	1682	4 ID	TEMF (4 ID HHBN)	0015	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
5	1692	4 CAB	Vehicle Maintenance Shop	0006	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

5	1882	DPTMS	Vehicle Maintenance Shop/242 and Contractor	0051	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
6	1982	ABF	ABF Transportation (Leased Space)	0005	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
6	2082	SPACE	TEMF (1 SPACE BDE)	0004/0035	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

6	2392	3-4 ABCT	Vehicle Maintenance Shop	0003	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
6	2492	3-4 ABCT	TEMF (1-68 AR)	0020	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
7	2692	3-4 ABCT	TEMF (2-12 FA)	0002	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

7	2792	1-4 SBCT	TEMF (1-38 IN)	0037	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
8	2992	1-4 SBCT	TEMF (2-23 IN)	0001	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
8	3092	1-4 SBCT	TEMF (4 BSB)	0019	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

8	9062	1-4 SBCT	TEMF	0043	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
8	9072	1-4 SBCT	Vehicle Maintenance Shop	0041	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
9	3192	1-4 SBCT	Vehicle Maintenance Shop	0055	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

9	3292	2-4 IBCT	Vehicle Maintenance Shop	0089	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
9	3492	3-4 ABCT	TEMF	0034	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
10	2029/2031	DFMWR	Maintenance Shop	0065/0066	P	4231	75XX	NA	This type of facility is considered to fall under Major Group 75 (Automotive Repair, Services, and Parking) which does not require coverage under the MSGP.
11	2427	DFMWR	Autocraft Shop	0028	P	4231	75XX	NA	This type of facility is considered to fall under Major Group 75 (Automotive Repair, Services, and Parking) which does not require coverage under the MSGP.
11	2429	DFMWR	Vehicle Maintenance Shop/Outdoor Recreation Facility	0058	P	4231	75XX	NA	This type of facility is considered to fall under Major Group 75 (Automotive Repair, Services, and Parking) which does not require coverage under the MSGP.
12	7806	DFMWR	Golf Course Maintenance	0081	P	4231	75XX	NA	This type of facility is considered to fall under Major Group 75 (Automotive Repair, Services, and Parking) which does not require coverage under the MSGP.

13	2645	3-4 ABCT	TEMF	0031	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
13	2615	3-4 ABCT	TEMF	0052	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
13	2635	1-4 SBCT	TEMF	0029	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

13	2655	3-4 ABCT	TEMF	0030	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
13	2625	3-4 ABCT	TEMF	0021	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
14	7426	3-4 ABCT	TEMF	0032	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

14	7467	10 SFG	Vehicle Maintenance Shop	0033	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
14	9090	10 SFG	Vehicle Maintenance Shop	0050	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
14	9093	71 EOD	TEMF (71 EOD)	0064	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

14	9100	ASOS	TEMF (91 ASOS)	0023	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
14	2605	COARNG	MATES	0086	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
14	9276	4 CAB		0085	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

14	9280	USAR	Storage	0084	P	4225	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
15	9426	2-4 IBCT	TEMF (3-61 CAV)	0044	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
15	9537	2-4 IBCT	TEMF (2-77 FA)	0027	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

15	9550/9551	2-4 IBCT	TEMF (704 BSB)	0026	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
15	9436	2-4 IBCT	TEMF (1-41 IN)	0042	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
15	9446	2-4 IBCT	TEMF (1-12 IN)	0025	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).

15	9456	2-4 IBCT	TEMF (2-12 IN)	0024	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
15	9466	LRC	Bulk Fuel Facility (Wilderness Rd)	0069/0070	P	5171	9711	NA	Bulk fueling stations associated with Fort Carson do not meet the standard SIC code of 5171 because operations do not qualify as "wholesale distribution". Bulk fueling stations on Fort Carson are owned by the installation and are for the exclusive use of military vehicles.
15	9486	LRC	Bulk Fuel Facility (Butts Rd)	0077	P	5171	9711	NA	Bulk fueling stations associated with Fort Carson do not meet the standard SIC code of 5171 because operations do not qualify as "wholesale distribution". Bulk fueling stations on Fort Carson are owned by the installation and are for the exclusive use of military vehicles.
15	9650	DPTMS	Range Control	0071	P	4231	75XX	NA	This type of facility is considered to fall under Major Group 75 (Automotive Repair, Services, and Parking) which does not require coverage under the MSGP.
16	9604	4 CAB	Maintenance Hangar	0091	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.

16	9620	USAR	Maintenance Hangar	0083	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.
16	9634	4 CAB	Vehicle Maintenance Shop	0054/0039/0040	S	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
16	9628	4 CAB	Maintenance Hangar/PAE	0072	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.

16	9633	4 CAB	Maintenance Hangar	0079/0080	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.
16	9635	DPTMS	AC Parts Storage/PAE	0078	S	4225	9711	NA	Warehouses do not meet the Industry Group 422 definition of "Public Warehousing and Storage" as none are used for goods available to the public.
16	9646	DPTMS	Vehicle Paint/Prep Area/PAE	0078	S	4225	9711	NA	Warehouses do not meet the Industry Group 422 definition of "Public Warehousing and Storage" as none are used for goods available to the public.
16	9630	DPTMS	Hot Refuel Point	0076	S	5171	9711	NA	Bulk fueling stations associated with Fort Carson do not meet the standard SIC code of 5171 because operations do not qualify as "wholesale distribution". Bulk fueling stations on Fort Carson are owned by the installation and are for the exclusive use of military vehicles.
16	9680	4 CAB	GSAB Maintenance Hangar	0102	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.
16	9668	4 CAB	Attack BN Maintenance Hangar	0105	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.

16	9686	4 CAB	UAS Maintenance Hangar	0103	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.
17	7314	LRC	Aircraft Departure and Arrival Control Group (ADACG)	0053	S	4512	4581	S	The ELG for deicing only applies for discharges from Primary Airports. This deicing activity is covered by the co-located Colorado Springs Airport. Any deicing activities conducted at the ADACG are done by the contractor that provides the service for the Airport, and monitoring is done by the Airport. Facility has minor maintenance by way of fueling aircraft (done by the airport - however, it is the Fort Carson's responsibility to maintain spill prevention vault). Loading and unloading of aircraft and soliders are the other primary activities at this location.
18	20000	SPACE	Space Command Motor Pool	0082	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
19	155	DPW	Recycle Center	0056	N	5093	9711	NA	The recycle center does not meet the SIC code 5093 definition as the facility is not disassembling and source separating waste materials or offering them for "wholesale distribution". Although brass deforming occurs at this location which could be considered dismantling, all deforming activities and storage occurs indoors, so the facility does not qualify for coverage. This activity is better aligned under NAICS code 562920 (Materials Recovery Facility), which crosswalks to SIC code 4953, which does not require coverage unless associated with Hazardous Waste or an actual landfill operation.

20	DLADS	DLA	Bldg 343 Warehouse Bldg 341 Warehouse Open Storage Open Storage Bldg 320 Warehouse Open Area Storage Bldg 326 Offices Bldg 340/342 Warehouses	0011 (Sample Pt) 0095 0096 0097 0098 0099 0100 0101	N	5093	9711	NA	The DLADS does not meet the SIC code 5093 definition as the facility is not disassembling and source separating waste materials or offering them for "wholesale distribution". This activity is better aligned under NAICS code 562920 (Materials Recovery Facility), which crosswalks to SIC code 4953, which does not require coverage unless associated with Hazardous Waste or an actual landfill operation.
21	400	DPW	Recycle Center	0010	N	5093	9711	NA	The recycle center does not meet the SIC code 5093 definition as the facility is not disassembling and source separating waste materials or offering them for "wholesale distribution".
22	9732	LRC	Ammunition Residue Yard	0063	N	5093	9711	NA	The ammunition residue yard does not meet the SIC code 5093 definition as the facility is not disassembling and source separating waste materials or offering them for "wholesale distribution". This activity is better aligned under NAICS code 562920 (Materials Recovery Facility), which crosswalks to SIC code 4953, which does not require coverage unless associated with Hazardous Waste or an actual landfill operation.
23	Range 121	DPTMS	Demolition Range	0022	K	HZ	HZ	K	Facilities that are hazardous waste treatment, storage, or disposal facilities (TSDF), including those that are operating under interim status or a permit Subtitle C of the Resource Conservation and Recovery Act (RCRA) are required to have coverage under the MSGP.
24	PCMS Aircraft Maintenanc e area	PCMS	Aircraft Maintenance Area	0073	S	4522	9711	NA	Military helicopter operations do not meet the definition of SIC Code 4522 as air transportation is both scheduled and nonscheduled, and doesn't meet the intent of "helicopter passenger transportation services" as the only users of the helicopters are associated with the military. Additionally, SIC code 4581 would not apply as the intent of the SIC code leads back to "handling services for airfreight" and "passengers". Aircraft are associated with the primary SIC of 9711 for national security. Deicing does not occur, and the annual number of takeoffs/landings does not meet the criteria under 40 CFR 449 as this is for fixed wing only and only from primary airports.
24	PCMS Bulk Fuel Facility	PCMS	Bulk Fuel Facility	0073	P	5171	9711	NA	Bulk fueling stations associated with Fort Carson do not meet the standard SIC code of 5171 because operations do not qualify as "wholesale distribution". Bulk fueling stations on Fort Carson are owned by the installation and are for the exclusive use of military vehicles.

24	PCMS Motorpool	PCMS	Motorpool	0073	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
24	PCMS Rail Yard	PCMS	Rail Yard	0073	P	4013	9711	NA	Installations that own their own train engines to move equipment and aid in switching line haul cars to another non-Army owned engine fit under SIC Code 4013 and should be included under the industrial stormwater permit. Rail heads that are strictly used for loading/unloading equipment without an Army owned engine are not included.
24	PCMS Transient Maintenanc e Facility	PCMS	Transient Maintenance Facility	0073	P	4231	9711	NA	Military motor pools do not meet the motor freight transportation or passenger terminals categories. SIC Code 4231 applies to terminal facilities used by "highway-type property carrying vehicles" and terminals that provide maintenance for "motor vehicles". Military vehicles do not fit the standard definitions of either of these types of vehicles, nor do they meet the definition of a terminal operated by a motor freight transportation company for their own use (Industry Group 421). Military motorpools are considered to be a part of Major Group 75 (Automotive Repair, Services and Parking), which is not a covered SIC code under the MSGP. The only military motor pools that are typically permitted under industrial stormwater classifications are those that act as a bus/passenger terminal that conducts maintenance on their own vehicles (Transportation Motor Pools - TMP).
25	9248	DPW	Hazardous Waste Storage Facility (HWSF)	0094	K	HZ	HZ	K	Facilities that are hazardous waste treatment, storage, or disposal facilities (TSDF), including those that are operating under interim status or a permit Subtitle C of the Resource Conservation and Recovery Act (RCRA) are required to have coverage under the MSGP.
26	3900	DPW	Wastewater Treatment Plant	0093	T	TW	TW	T	The existing wastewater treatment plant (WWTP) is a Federally Owned Treatment Works (FOTW) that meets the activity code TW as defined in the EPA MSGP and 40 CFR 122.26 (b)(14)(ix) as the rated capacity is > 1 MG, and therefore requires coverage.

RECORD OF ENVIRONMENTAL CONSIDERATION

Updates to Industrial Stormwater Pollution Prevention Plan (SWPPP)

Fort Carson, Colorado

May 2021

INTRODUCTION

Federal regulations require stormwater discharges from regulated industrial activities be permitted under the National Pollutant Discharge Elimination System (NPDES), or a state administered NPDES [40 Code of Federal Regulations (CFR) 122.26(b) (14) (i)-(xi)]. The Fort Carson Environmental Protection Agency (EPA) Multi-Sector General Permit (MSGP) (COR05F003) (effective 1 March 2021) covers discharges from stormwater associated with industrial activities as defined by the permit and under the Clean Water Act (CWA). The permit requires the development and implementation of an Industrial Stormwater Pollution Prevention Plan (SWPPP) designed to minimize pollution through training, awareness, and source control. Implementation of the Industrial SWPPP and stormwater control measures will allow Fort Carson to comply with EPA requirements.

PROPOSED ACTION UNDER REVIEW

The Industrial SWPPP is being updated to reflect changes needed to comply with the 2021 EPA MSGP for Stormwater Discharges associated with industrial activity. In accordance with the 2021 renewal of Fort Carson's MSGP, the Industrial SWPPP has been updated.

The number of industrial sites have been significantly reduced from 83 sites down to 5 because of the application of an exemption in the regulation. Previously, Fort Carson motor pools were categorized under the MSGP as Land Transportation and Warehousing (Sector P) which is regulated under the MSGP. However, under the new MSGP Fort Carson's motor pools will be categorized as part of the Major Group 75 (Automotive Repair, Services, and Parking) which is specifically excluded in the EPA regulation. While activities at Army motor pools may not be regulated under the MSGP, they are still industrial activities and appropriate pollution prevention, best management practices (BMPs) and stormwater control measures will continue to be implemented through other programs such as the Pollution Prevention (P2) Program.

REVIEW PROCESS

32 CFR 651.5 provides guidance on reviewing existing NEPA documents and determining if supplemental information is needed.

> "(g) Army NEPA documentation must be periodically reviewed for adequacy and completeness in light of changes in project conditions.
>
> (1) Supplemental NEPA documentation is required when:
>
> (i) The Army makes substantial changes in the proposed action that are relevant to environmental concerns; or
>
> (ii) There are significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impact.
>
> (2) This review requires that the proponent merely initiate another ''hard look'' to ascertain the adequacy of the previous analyses and documentation in light of

the conditions listed in paragraph (g)(1) of this section. If this review indicates no need for new or supplemental documentation, a REC can be produced in accordance with this part. Proponents are required to periodically review relevant existing NEPA analyses to ascertain the need for supplemental documentation and document this review in a REC format."

"A Record of Environmental Consideration (REC) is a signed statement submited with project documentation that briefly documents that an Army action has received environmental review. RECs are prepared for actions covered by existing or previous NEPA documentation." (32 CFR 651.19)

EXISTING NEPA DOCUMENTS

Environmental Assessment for the Proposed Stormwater Management Plan at Fort Carson, CO finalized in October 2009 (2009 SWMP EA) analyzed the effects of implementing various components of the stormwater program including the MSGP and required industrial SWPPP.

ANALYSIS AND SUPPLEMENTATION

The SWMP proposes to manage stormwater in a manner that considers all other resources and work synergistically with those resources within and around Fort Carson. The 2009 SWMP EA showed that the implementation of the MSGP and Industrial SWPPP would result in beneficial impacts to all resources evaluated. The updated Industrial SWPPP is consistent with this finding. The industrial sites, whether covered under the MSGP or not, on Fort Carson will continue to use good housekeeping and stormwater control measures that prevent or reduce stormwater pollution as is required by the SWMP. This is consistent with the findings of the 2009 SWMP EA of beneficial effects.

CONCLUSION

The updates to the Industrial SWPPP are consistent with the existing NEPA documentation. This REC documents that the analyses of the effects on natural and cultural resources on the updates to the Industrial SWPPP were found to be sufficient and accurate and no further analysis is needed for these topics per 32 CFR 651.5.

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Carlos Rivero-deAguilar
Environmental Division Chief
Directorate of Public Works, Fort Carson

Document Review	
Point of Contact Tyler Conquest	**Project Number:** NA
POC Phone: 719-526-1697.	**NEPA Number:** 2021-206ab
Project Title: Review of Updates to SWPPP	

Project Description

In accordance with the 2021 renewal of Fort Carsons industrial stormwater permit, the Stormwater Pollution Prevention Plan has been updated. We have significantly reduced the number of Industrial facilities down to 5 sites. Each facility is mentioned in Appendices D-H at the end of the updated SWPPP. Provide any concerns or edits to the updated SWPPP below for incorporation into the document.

Air Resources
John Watcher 719-526-1694

No comments

WASTEWATER/POTABLE WATER
John Wachter 719-526-1694
Jeff Farmer 719-526-1730

No comments

STORMWATER
Tyler Conquest 719-526-1697
Jack Haflett 719-526-6206

No comments

ASBESTOS/LEAD/TOXICS
David Martin 719-526-1725

No comments

IRP
Joe Gallegos 719-526-8001

No comments

AST/UST/SPILL
Terry Eberle 719-526-9411

No comments

RCRA
Cheryl Frischkorn 719-526-1686

No comments

INVASIVE PLANTS/PEST MANAGEMENT
Leslie Gerhard 719-526-1329

No comments

CULTURAL RESOURCES
Jennifer Kolise 719-526-4484
Kari Pittman (PCMS) 719-503-6136

Comments given prior to NEPA review staffing.

FORESTRY/ARBORIST
Jeff McLemore 719-526-1667

No comments

WATERSHEDS/WETLANDS/404
Roger Peyton (719) 524-5395

No comments

WILDLIFE
Anna Joy Lehmicke 719-526-3975
Amanda Luper 719-524-5393
Michelle Blake 719-503-6538 (PCMS)

OTHER

NEPA POCs
Angie Bell 719-526-4666
Marcus Gray 719-526-2752
Wayne Thomas 719-526-1852
The Fort Carson NEPA Office must be notified of any change to the scope, location, or size of the project. Project proponent is responsible to ensure coordination, monitoring, and mitigation requirements listed in this document are implemented. Further Coordination May Be Required:

Appendix E - Procedures Relating to Endangered Species Protection

E.1 Assessing the Effects of Your Discharges and Discharge-Related Activities

In accordance with Part 1.1.4, you must follow the procedures in this appendix to determine which of the eligibility criteria (i.e., criterion A - E) you qualify under, if any, with respect to the protection of threatened or endangered species listed, and "critical habitat" designated, under the federal Endangered Species Act (ESA). If you do not meet one of these criteria, you are not eligible for coverage under this permit.

The procedures in this appendix will help you assess the potential effects of applicable stormwater discharges, discharge-related activities, and authorized non-stormwater discharges on federally listed threatened and endangered species and their designated critical habitat. In accordance with Part 6.2.6.1 of this permit, you must keep any documentation that supports your eligibility criteria determination, including the completed *Criterion Selection Worksheet* in Part E.4 of this appendix, with your Stormwater Pollution Prevention Plan (SWPPP).

You must complete your eligibility determination outlined in the Endangered Species Protection section of the Notice of Intent (NOI) in the NPDES eReporting Tool (NeT-MSGP) and provide all information as required on your NOI that supports the Part 1.1.4 eligibility criterion you qualify under. Note that if you have determined that you may be eligible under Criterion C3 or Criterion F, you must complete additional questions in the Endangered Species Protection section of the NOI in NeT-MSGP, unless the EPA Regional Office grants you a waiver from electronic reporting, in which case you must submit a completed *Criterion C3 Eligibility Form* to EPA a minimum of 30 days prior to submitting your NOI for permit coverage.

While coordination between you and the U.S. Fish and Wildlife Service (USFWS) and/or the National Marine Fisheries Service (NMFS)(together, the "Services") is not necessarily required in all cases, EPA encourages you to coordinate with the Services, to document that coordination, and to do so early in the planning process prior to submitting your NOI.

When evaluating the potential effects of your activities, you must consider effects to listed species or critical habitats within the "action area" of your industrial activity, as identified by the USFWS IPaC and/or the NOAA Species Directory (see Part E.4 of this appendix). Action area is defined in Appendix A of the MSGP and below:

> **Action Area** – all areas to be affected directly or indirectly by the federal action and not merely the immediate area involved in the action. See 50 CFR 402. For the purposes of this permit and for application of Endangered Species Act requirements, the following areas are included in the definition of action area:
>
> - The areas where stormwater discharges originate and flow from the industrial facility to the point of discharge into receiving waters. (Example: Where stormwater flows into a ditch, swale, or gully that leads to receiving waters and where listed species (such as listed amphibians) are found in the ditch, swale, or gully.)
>
> - The areas where stormwater from industrial activities discharge into receiving waters and the areas in the immediate vicinity of the point of discharge. (Example: Where stormwater from industrial activities discharges into a stream segment that is known to harbor listed aquatic species.)

• The areas where stormwater controls will be constructed and operated, including any areas where stormwater flows to and from the stormwater controls. (Example: Where a stormwater retention pond would be built.)

• The areas upstream and/or downstream from the stormwater discharge into a stream segment that may be affected by these discharges. (Example: Where sediment discharged to a receiving stream settles downstream and impacts a breeding area of a listed aquatic species.)

E.2 Eligibility Criterion

As required by Part 1.1.4, you must certify in your NOI that you meet one of the following criteria (A - E) to be eligible for coverage under the permit. Once you determine the applicable eligibility criterion, you must:

- Specify the basis for your selection of the applicable eligibility criterion, and if required, provide documentation that is the basis for your determination with the NOI form; and
- Provide documentation in your SWPPP that is sufficient to support your determination that you satisfy the requirements of the applicable criterion.

NOTE: You must use the information from the USFWS IPaC and NOAA Species Directory (see Part E.4 of this appendix, Step 2 and 3) when determining the presence of ESA listed species and critical habitat. Attaching aerial image(s) of the site to this NOI is helpful to EPA, USFWS, and NMFS in confirming eligibility under this criterion. Please Note: NMFS' jurisdiction includes ESA-listed marine and estuarine species that spawn in inland rivers.

Criterion A. **No ESA-listed species and/or critical habitat present in action area.** No ESA-listed species and designated critical habitat(s) are likely to occur in your facility's "action area" as defined in Appendix A. You must provide a description below of the basis for selecting this criterion and provide documentation supporting your eligibility determination in your SWPPP.

Basis statement content: A basis statement supporting the selection of this criterion must identify the USFWS and NMFS information sources used. State resources are not acceptable. Attaching aerial image(s) of the site to this NOI is helpful to EPA, USFWS, and NMFS in confirming eligibility under this criterion. Note that NMFS' jurisdiction includes ESA-listed marine and estuarine species that spawn in inland rivers.

Criterion B. **Eligibility requirements met by another operator under the 2021 MSGP.** Your industrial activity's discharges and discharge-related activities were already addressed in another operator's valid certification of eligibility for your "action area" under eligibility criteria A, C, D, or E of the 2021 MSGP and you have confirmed that no additional ESA-listed species and designated critical habitat not considered in that certification may be present or located in the "action area" (e.g., due to a new species listing or critical habitat designation). To certify your eligibility under this criterion, there must be no lapse of NPDES permit coverage in the other 2021 MSGP operator's certification. By certifying eligibility under this criterion, you must comply with any conditions upon which the other operator's certification was based. You must include in your NOI the NPDES ID assigned to the other 2021 MSGP operator's authorization under this permit. If your certification is based on another 2021 MSGP operator's certification under

criterion C, you must provide EPA with the relevant supporting information required (i.e., permit tracking number, industrial activity SWPPP, a description of the basis for the criterion selected) in your NOI form.

Basis statement content: A basis statement supporting the selection of this criterion must identify the eligibility criterion of the other MSGP NOI, the authorization date, and confirmation that the authorization is effective.

Criterion C1. **Facility eligible for Criterion C in the 2015 MSGP with NO CHANGE to listed species, critical habitat, or action area.** Your facility was eligible for Criterion C in the 2015 MSGP and there has been no change in your facility's action area and you have confirmed that there are no additional threatened or endangered species or designated critical habitat listed by USFWS and/or NMFS in your action area since your certification under Criterion C in the 2015 MSGP. You must provide a description of the basis of this criterion selected on your NOI form and provide documentation supporting your eligibility determination in your SWPPP.

Basis statement content: A basis statement supporting the selection of this criterion must provide the USFWS and/or NMFS resources consulted that helped you determine that there are no additional and/or critical habitat listed by under the jurisdiction of the Services in your action area.

Criterion C2. **Facility eligible for Criterion C in the 2015 MSGP with CHANGES to listed species, critical habitat, or action area.** Your facility was eligible for Criterion C in the 2015 MSGP, but there have been changes in your facility's action area, and/or additional threatened or endangered species and/or designated critical habitat have been listed by USFWS and/or NMFS in your action area since your certification under Criterion C under the 2015 MSGP. You must provide a description of the basis of this criterion selected on your NOI form and provide documentation supporting your eligibility determination in your SWPPP. You must submit your completed Criterion C2 Eligibility information at the same time that you submit your NOI, which will be held for 30 additional days prior to the standard 30-day review for all NOIs.

Basis statement content: A basis statement supporting the selection of this criterion must identify the following:

1. A description of the changes in the facility's action area (if applicable).
2. The USFWS and/or NMFS resources consulted that helped you determine that additional species and/or critical habitat have been listed/designated by either of the Services in your action area.
3. What ESA-listed species and/or designated critical habitat are located in your "action area".
4. Distance in miles between your site and the ESA-listed species and/or designated critical habitat within the action area (in miles, or state "on site" if the ESA-listed species and/or designated critical habitat is within the area to be disturbed).

5. A description of EPA approved measures you will implement or will continue to implement to ensure no likely adverse effects on ESA-listed species and/or critical habitat.

Criterion C3. **ESA-listed species and/or designated critical habitat likely to occur, but discharges not likely to adversely affect them.** ESA-listed threatened or endangered species or their designated critical habitat(s) under the jurisdiction of USFWS and/or NMFS are likely to occur in or near your facility's "action area," and you certify to EPA that your industrial activity's discharges and discharge-related activities are not likely to adversely affect ESA-listed and/or critical habitat. To certify your eligibility under this criterion, you must complete the Criterion C3 Eligibility Form, which you must complete additional questions in the Endangered Species Protection section of the NOI in NeT-MSGP, unless the EPA Regional Office grants you a waiver from electronic reporting, in which case you must submit to EPA at least 30 days prior to filing your NOI for permit coverage. After evaluation of your Criterion C3 Eligibility Form, EPA may require additional measures that you must implement to avoid or eliminate likely adverse effects on ESA-listed species and/or critical habitat from discharges and discharge-related activities. You must submit your completed Criterion C3 Eligibility information at the same time that you submit your NOI, which will be held for 30 additional days prior to the standard 30-day review for all NOIs. You must also provide a description of the basis for the criterion you selected on your NOI form and provide documentation supporting your eligibility determination in your SWPPP.

Basis statement content: A basis statement supporting the selection of this criterion must identify the following:

1. The USFWS and NMFS information resources and expertise (e.g., state or federal biologists) used to arrive at this conclusion. Any supporting documentation should explicitly state that both ESA-listed species and designated critical habitat under the jurisdiction of the USFWS and/or NMFS were considered in the evaluation.

2. What ESA-listed species and/or designated critical habitat are located in your "action area".

3. Distance in miles between your site and the ESA-listed species and/or designated critical habitat within the action area (in miles, or state "on site" if the ESA-listed species and/or designated critical habitat is within the area to be disturbed).

4. A description of EPA approved measures you will implement to ensure no likely adverse effects on ESA-listed species and/or critical habitat.

5. A statement affirming that "I agree to implement any additional measures that were determined by EPA to be necessary to ensure that my discharges and/or discharge-related activities will not have likely adverse effects on listed species and critical habitat."

6. If the EPA Regional Office granted you a waiver from electronic reporting, date you sent completed Criterion C3 Eligibility form to EPA.

Criterion D. **ESA Section 7 consultation has successfully concluded**. Consultation between a Federal Agency and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the Endangered Species Act has concluded. The consultation must have addressed the effects of the facility's discharges and discharge-related activities on ESA-listed species and/or designated critical habitat under the jurisdiction of USFWS and/or NMFS. To certify eligibility under this criterion, indicate the result of the consultation:

i. A biological opinion and/or conference opinion that concludes that the action in question (taking into account the effects of your facility's discharges and discharge-related activities) is not likely to jeopardize the continued existence of ESA-listed species, or result in the destruction or adverse modification of designated critical habitat; or

ii. Written concurrence from the applicable Service(s) with a finding that your facility's discharges and discharge-related activities are not likely to adversely affect ESA-listed species or designated critical habitat.

You must verify that the consultation does not warrant reinitiation under 50 CFR §402.16. If reinitiation of consultation is required, in order to be eligible under this criterion you must ensure consultation is reinitiated and the result of the consultation must be consistent with Criterion D (i), or (ii) above.

If eligible under Criterion D, you must also provide supporting documentation for your determination in your NOI and SWPPP, including the Biological Opinion (or ECO tracking number) or concurrence letter. You must include copies of the correspondence between yourself and the USFWS and/or NMFS in your SWPPP and your NOI.

Basis statement content: A basis statement supporting the selection of this criterion should identify the federal action agency(ies) involved, the field office/regional office(s) providing that consultation, any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, ECO number), and the date the consultation was completed.

Criterion E. **Issuance of section 10 permit.** Potential take is authorized through the issuance of a permit under section 10 of the ESA by the USFWS and/or NMFS, and this authorization addresses the effects of the facility's discharges and discharge-related activities on ESA-listed species and designated critical habitat. You must include copies of the correspondence between yourself and the participating agencies in your SWPPP and your NOI.

Basis statement content: A basis statement supporting the selection of this criterion should identify whether USFWS or NMFS or both agencies provided a section 10 permit, the field office/regional office(s) providing permit(s), any tracking numbers of identifiers associated with that consultation (e.g., IPaC number, ECO number), and the date the permit was granted.

E.3 Eligibility Compliance

You must comply with any measures that formed the basis of your eligibility determination in Part 1.1.4 for the duration of your coverage under the MSGP in order to maintain your eligibility for coverage under the permit. These measures become permit requirements per Part 2.3. Documentation of these measures must be kept as part of your SWPPP (see Part 6.2.6.1).

E.4 Criterion Selection Worksheet

Instructions:

You must follow the step-by-step instructions in this worksheet in order to determine your eligibility under the Part 1.1.4. Alternatively, if you prefer to use a Biological Evaluation (or its equivalent) in making a determination of your eligibility, you should ensure all of the information requested below for the criterion you are selecting is fully addressed in the document and provided. You must attach this completed document or Biological Evaluation (or equivalent) to your SWPPP to support your Part 1.1.4 eligibility determination.

You may need the following information in order to determine your eligibility:

1) Your facility's draft Stormwater Pollution Prevention Plan (SWPPP), including information on receiving waters.

2) Any additional site-specific information related to your facility's discharges and discharge-related activities, such as the geographic location.

3) The list(s) of threatened and endangered species and/or any designated critical habitat in your action area, as acquired from the Fish and Wildlife Service and/or the National Marine Fisheries Service. Directions on how to acquire species lists is described in a subsequent section below.

Note that much of the information needed to complete this worksheet is also needed in order to prepare your NOI for permit coverage and is information that is part of your SWPPP. You may copy and paste any information that is already required and completed in your SWPPP into this worksheet. (*You may also decide to make minor changes or additions to your SWPPP while filling out the worksheet for clarification purposes or to address any concerns that are identified below.)*

STEP 1: DETERMINE IF YOU MEET THE ELIGIBILITY REQUIREMENTS OF CRITERION B, D, or E.

I. You should first determine whether you are eligible under criterion B (because another operator has accounted for your action area in their valid certification of eligibility under the 2021 MSGP), criterion D (because of a previously completed ESA section 7 consultation), or criterion E (because of a previously issued ESA section 10 permit).

II. If you determine that your facility does not meet criterion B, D, or E (e.g., due to difference in action area described, lack of analysis of appropriate effects, new listings or designation of critical habitat), proceed to **Step 2** below.

Criterion B Eligibility Requirements

If your industrial activities were already addressed in another operator's valid certification of eligibility under the current 2021 MSGP, you may be eligible for coverage under criterion B. In order to be eligible for coverage under criterion B, you must confirm that **all** three of the following are true:

- ☐ You have confirmed that the other operator's certification of eligibility accounted for your action area and that the eligibility determination was valid.
- ☐ There has been no lapse of NPDES permit coverage in the other operator's certification.

☐ You will comply with all measures that formed the basis of the other operator's valid certification of eligibility. Provide the operator's NPDES permit number and list any measures that you must comply with in the box below (or enter "N/A" if none exist):

N/A

- **If all three of the above are true, you may select criterion B on your NOI.** You must include in your NOI the NPDES ID assigned to the other operator's authorization under this permit, and a description of the basis for the criterion selected on your NOI form, including the eligibility criterion selected in the other operator's NOI. You must include this completed Worksheet in your SWPPP.
- **If any of the above are not true, you may not select criterion B and must proceed to Step 2.** For example, if there are any listed species in your action area that were not addressed in the other operator's certification, you are not eligible under criterion B.

Criterion D Eligibility Requirements

If consultation under section 7 of the ESA has concluded, you may be eligible for coverage under criterion D. In order to be eligible for coverage under criterion D, you must confirm that **all** two of the following are true:

☐ A consultation between a federal agency and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the ESA has concluded. Consultations can be either formal or informal, and would have occurred only as a result of a separate federal action (e.g., during application for an individual wastewater discharge permit or the issuance of a wetlands dredge and fill permit), and the consultation must have addressed the effects of your industrial activity's discharges and discharge-related activities on all ESA-listed threatened or endangered species and all designated critical habitat in your action area. The result of this consultation must be either:

i. A biological opinion currently in effect that concludes that the action in question (taking into account the effects of your facility's discharges and discharge-related activities) is not likely to jeopardize the continued existence of listed species or result in the destruction or adverse modification of critical habitat. The biological opinion must have included the effects of your facility's discharges[1] and discharge-related activities on all the listed species and designated critical habitat in your action area. To be eligible under (i), any

[1] Effects of discharge includes, but is not limited to, the analysis of the hydrological, chemical, and biological effects of the discharge on listed species, their prey, and their habitat, as well as critical habitat, where designated. For example, the effects analysis would have evaluated whether the various pollutants in the discharge (e.g., TSS, metals) would adversely affect listed species through exposure to the pollutants, or to their prey or habitat. Effects that look only at short-term effects unrelated to the stormwater discharge effects to listed species are not sufficient for these purposes.

reasonable and prudent measures specified in the incidental take statement must be implemented;

ii. Written concurrence (e.g., letter of concurrence) from the applicable Service(s) with a finding that your facility's discharges and discharge-related activities are not likely to adversely affect ESA-listed species and/or designated critical habitat. The concurrence letter must have included the effects of your facility's discharges and discharge-related activities on all the ESA-listed species and/or designated critical habitat on your species list(s) acquired from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service as part of this worksheet.

☐ The consultation does not warrant reinitiation under 50 CFR §402.16; or, if reinitiation of consultation is required (e.g., due to a new species listing or critical habitat designation; new information), you have reinitiated the consultation and the result of the consultation is consistent with the statements above. Attach a copy of any reinitiation documentation from the Services or other consulting federal agency.

- **If both of the above are true, you may select criterion D on your NOI.** You must also provide a description of the basis for the criterion selected on your NOI form and you must include this completed worksheet in your SWPPP. In both your SWPPP and NOI you must also provide the Biological Opinion (or ECO tracking number) or concurrence letter and any other documentation supporting your eligibility determination.
- **If any of the above are not true, you may not select criterion D and must proceed to Step 2.** For example, if the biological opinion or written concurrence did not include the effects of the discharge or discharge-related activities as described above (e.g., the previous consultation covered some but not all of the species or critical habitat in your action area as shown on your species list), or if the consultation is no longer valid (e.g., due to new species listings), you are not eligible under criterion D.

Criterion E Eligibility Requirements

If your industrial activities are the subject of a permit under section 10 of the ESA, and this authorization addresses the effects of your facility's discharges and discharge-related activities on ESA-listed species and designated critical habitat in your action area, you may be eligible for coverage under criterion E. In order to be eligible or coverage under criterion E, you must confirm that the following is true:

☐ A permit has been issued under section 10 of the ESA. The permit authorization specifically addresses the effects of your facility's discharges and discharge-related activities (if applicable) on all federally-listed species and designated critical habitat in your action area.

- **If the above is true, you may select criterion E on your NOI.** You must also provide a description of the basis for the criterion selected on your NOI form and must include this completed worksheet in your SWPPP. In both your SWPPP and your NOI you must provide a copy of the section 10 permit issued by the Services.
- **If the above is not true, you may not select criterion E and must proceed to Step 2.** For example, if a permit has been issued under section 10 of the ESA, but the permit authorization did not address the effects of your facility's discharges and/or discharge-related activities on all federally-listed species and designated critical

habitat in your action area, you are not eligible under criterion E, but you should attach a copy of the permit to the SWPPP for reference.

E.5 STEP 2: DETERMINE THE EXTENT OF YOUR ACTION AREA

You must determine whether species listed as either threatened or endangered, or their critical habitat(s) are located in your facility's action area (i.e., all areas to be affected directly or indirectly by the federal action and not merely the immediate area involved in the action, including areas beyond the footprint of the facility that are likely to be affected by stormwater discharges, discharge-related activities, and authorized non-stormwater discharges). Consider the following in determining the action area for your facility:

- Discharges of pollutants into downstream areas can expand the action area well beyond the footprint of your facility and the discharge point(s). Take into account the controls you will be implementing to minimize pollutants and the receiving waterbody characteristics (e.g., perennial, intermittent, ephemeral) in determining the extent of physical, chemical, and/or biotic effects of the discharges. All receiving waterbodies that could receive pollutants from your facility must be included in your action area.
- Discharge-related activities must also be accounted for in determining your action area. Discharge-related activities are any activities that cause, contribute to, or result in stormwater and authorized non-stormwater point source discharges, and measures such as the siting, construction, and operation of stormwater controls to control, reduce, or prevent pollutants from being discharged. For example, any new or modified stormwater controls that will have noise or other similar effects, and any disturbances associated with construction of controls, are part of your action area.

If you have any questions about determining the extent of your action area, you may contact EPA or the Services for assistance.https://www.epa.gov/npdes/contact-us-stormwater#regional

You must include a **map and a written description of** the action area of your facility in Attachment 1 of this appendix. You may choose to include the map that is generated from the FWS' on-line mapping tool IPaC (the *Information, Planning, and Consultation System*) located at http://ecos.fws.gov/ipac/ (see Step 3 for information about using this tool).

You must proceed to **Step 3** below.

E.6 STEP 3: DETERMINE IF LISTED THREATENED OR ENDANGERED SPECIES AND/OR CRITICAL HABITAT ARE PRESENT IN YOUR ACTION AREA.

You must determine whether species listed as either threatened or endangered under the Endangered Species Act, and/or their designated critical habitat(s) (as defined in Appendix A), are located in your facility's action area. ESA listed species and designated critical habitat are under the purview of the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (USFWS), and in many cases, you will need to acquire species and critical habitat lists from both Services.

- For NMFS species and critical habitat information, use the following webpages, which provide up-to-date information on listed species

  (https://www.fisheries.noaa.gov/species-directory/threatened-endangered) and critical habitat https://www.fisheries.noaa.gov/national/endangered-species-conservation/critical-habitat. To determine the field office that corresponds to your facility, go to https://www.fisheries.noaa.gov/regions. Choose the Region where the project is based from the left-hand column and the office from the About Us on the right-hand column.

If the action area includes coastal waters or waters used by species that migrate between fresh and salt waters (e.g., salmon, sturgeon), you must obtain a species list from NMFS field office.

- For FWS species information, use the on-line mapping tool IPaC (the *Information, Planning, and Consultation System*) located at http://ecos.fws.gov/ipac/, and follow these steps:
    - *Select Get Started*.
    - **Search or zoom to find your location:** Use an address, city name or other location to find your facility then use the zoom in/out feature to see the entire extent of your action area on the screen..
    - **Define you action area:** Use one of the mapping features (e.g., sketch, polygon or line drawing tool) to draw your entire action area.
        - For the aquatic portion of your action area, trace the waterbody(ies) with the tool to characterize your action area.
        - If your proposal will include any upland activities (i.e., discharge-related activities), or if there is some aspect of your discharge that would potentially result in effects to terrestrial species, include the corresponding upland areas within your action area.
        - When you are done, go to confirm and press *Continue.*
    - Select *Define Project* to request an Official Species List
    - Complete the fields on the Official Species List Request page and include "(MSGP)" at the end of the project description.
        - For Classification, select "Water Quality Modification".
        - Select the appropriate requesting agency/organization type (for most operators, this should be "Other").
    - Submit the request to acquire an Official Species List, which should show both listed species as well as any designated critical habitat that are present in the action area in the previous step.
    - Note: *If a link to an Official Species List is not available on the page, follow the web link of the office(s) indicated, or contact the office directly by mail or phone if a web link is not shown*.

The principle authority for critical habitat designations and associated requirements is found at 50 CFR Parts 17 and 226.

Attach a copy of the species and critical habitat list(s) from the Service(s) to Attachment 2 of this appendix and use the list(s) to complete the rest of this worksheet. For FWS species, include the full printout from your IPaC query/Official Species List in Attachment 2. You can include the map from your IPaC query in Attachment 1. For NMFS species, include the full printout from the Species Directory with the correct Region selected.

If after following the steps you have determined that there are no listed species and/or designated critical habitat in your action area, you may be eligible for coverage under criterion A.

If you have determined that there are or may be listed species and/or designated critical habitat in your action area, you are not eligible under criterion A and must proceed to **Step 4** below.

Criterion A Eligibility Requirements

In order to be eligible for coverage under criterion A, you must confirm that the following is true:

☒ I have confirmed there to be no ESA-listed species and no critical habitat in my action area.

- **If the above is true, you may select criterion A on your NOI form.** You must also provide a description of the basis for the criterion selected on your NOI form. You must include this completed worksheet in your SWPPP. *Note: If your Official Species List from the USFWS indicated no species or critical habitat were present in your action area, include the full consultation tracking code at the top of your Official Species List in your NOI in the basis statement for Criterion A. If an Official Species List was not available on IPaC, list the contact date and name of the Service staff with whom you corresponded to verify no USFWS species or critical habitat were present in your action area.*

Note: For existing dischargers that have previously obtained coverage under criterion A, you must verify whether ESA-protected species and/or critical habitat are expected to exist in your action area, as described above. Please note that if you now find that your action area overlaps with ESA-protected species or critical habitat, you must proceed to Step 4.

- If the above is not true, you may not select criterion A and must proceed to **Step 4** to determine if you can become eligible under criterion C.

STEP 4: DETERMINE IF YOUR INDUSTRIAL FACILITY'S DISCHARGES OR DISCHARGE-RELATED ACTIVITIES ARE LIKELY TO ADVERSELY AFFECT LISTED THREATENED OR ENDANGERED SPECIES OR DESIGNATED CRITICAL HABITAT AND ANY MEASURES THAT MUST BE IMPLEMENTED TO AVOID ADVERSE EFFECTS

If in Step 3 you determined that listed species and/or designated critical habitat could exist in your action area, you must next assess whether your discharges and discharge-related activities are likely to adversely affect ESA-listed threatened or endangered species or designated critical habitat, and whether any additional measures are necessary to ensure no likely adverse effects. In order to make a determination of your facility's likelihood of adverse effects, you must complete additional questions in the Endangered Species Protection section of the NOI in NeT-MSGP, unless the EPA Regional Office grants you a waiver from electronic reporting, in which case you must complete the attached *Criterion C3 Eligibility Form* and must submit this form to EPA a minimum of 30 days prior to filing your NOI for permit coverage. After you submit your NOI containing Criterion C3 information or your *Criterion C3 Eligibility Form*, you may be contacted by EPA with additional measures that you must implement in order to ensure your eligibility under criterion C3.

Criterion C3 Eligibility Form

Instructions:

In order to be eligible for coverage under criterion C3, **you must complete the Endangered Species Protection section of the Notice of Intent in the NPDES eReporting Tool (NeT-MSGP)**. Per Part 7.1, you must submit your NOI electronically via NeT-MSGP, unless the EPA Regional Office grants you a waiver from electronic reporting, in which case you may use this paper Criterion C3 form. If using the paper form, you must complete the following form and you must submit it to EPA following the instructions in Section VII a **minimum of 30 days prior to filing your NOI for permit coverage.** After you submit your form, you may be contacted by EPA with additional measures (e.g., additional stormwater controls or modifications to your discharge- related activities) that you must implement in order to ensure your eligibility under criterion C3.

If after completing this worksheet you cannot make a determination that your discharges and discharge-related activities are not likely to adversely affect ESA listed threatened or endangered species or designated critical habitat, you must submit this completed worksheet to EPA, and you may not file your NOI for permit coverage until you receive a determination from EPA that your discharges and/or discharge-related activities are not likely to adversely affect ESA-protected species and critical habitat.

Note: Much of the information needed for this form can be obtained from your draft SWPPP which will be needed when you file your NOI.

SECTION I. OPERATOR, FACILITY, AND SITE LOCATION INFORMATION.

1) **Operator Information**

   a) **Operator Name:** _____

   b) **Point of Contact**

   First Name:_____ **Last Name:** _____

   Phone Number: _____

   E-mail: _____

2) **Facility Information**

   a) **Facility Name:** _____

   b) **Check which of the following applies:**

☐ I am seeking coverage under the MSGP as a new discharger or as a new source

☐ I am seeking coverage under the MSGP as an existing discharger and my facility has modifications to its discharge characteristics (e.g., changes in discharge flow or area drained, different pollutants) and/or discharge-related activities (e.g., stormwater controls)

Indicate the number of years the facility has been in operation:_____years

Provide your NPDES ID (i.e., permit tracking number) from your previous MSGP coverage: _____

☐ I am seeking coverage under the MSGP as an existing discharger and there are no modifications to my facility.

Indicate the number of year(s) the facility has been in operation: _____ year(s)

Provide your NPDES ID (i.e., permit tracking number) from your previous MSGP coverage: _____

c) Facility Address:

Address 1: _____

Address 2: _____

City: _____ **State:** _____ **Zip Code:** _____

d) Identify the primary industrial sector to be covered under the 2021 MSGP:

SIC Code _____ or Primary Activity Code _____

Sector _____ and Subsector _____

e) Identify the sectors of any co-located activities to be covered under the 2021 MSGP:

Sector _____ Subsector _____

Sector _____ Subsector _____

Sector _____ Subsector _____

Sector _____ Subsector _____

Sector _____ Subsector _____

Sector _____ Subsector _____

f) Estimated area of industrial activity exposed to stormwater: _ acres

g) Provide a general description of the industrial activities that are taking place at this facility:

3) Receiving Waters Information

List all the stormwater outfalls from your facility.				For each outfall, provide the following receiving water information:	
Discharge Point ID	**Design Capacity (if known)**	**Latitude (decimal degrees)**	**Longitude (decimal degrees)**	**Name of the receiving water that receives stormwater from the discharge point and/or from the MS4 that the discharge point discharges to**	**Type of Waterbody (e.g., lake, pond, river/stream/creek, estuarine/marine water)**
		___.____	___.____		
		___.____	___.____		
		___.____	___.____		
		___.____	___.____		
		___.____	___.____		

SECTION II. ACTION AREA

As required in Step 2 of Section E.4 of Appendix E, You must include a map and a written description of the action area of your facility in Attachment 1 of this appendix.

SECTION III. LISTED SPECIES AND CRITICAL HABITAT LIST

As required in Step 3 of Section E.4 of Appendix E., attach a copy of the species and critical habitat list(s) from the Service(s) to Attachment 2 of this appendix and use the list(s) to complete the rest of this worksheet. For FWS species, include the full printout from your IPaC query/Official Species List in Attachment 2. You can include the map from your IPaC query in Attachment 1.

Review your species list in Attachment 2, choose one of the following three statements, and follow the corresponding instructions:

Note: For the purposes of this permit, "terrestrial species" would not include animal or plant species that 1) spends any portion of its life cycle in a waterbody or wetland, or 2) if an animal, depends on prey or habitat that occurs in a waterbody or wetland. For example, shorebirds, wading birds, amphibians, and certain reptiles would not be considered terrestrial species under this definition. Please also be aware that some terrestrial animals (e.g., certain insects, amphibians) may have an aquatic egg or larval/juvenile phase.

☐ The species list includes only terrestrial species and/or their designated critical habitat. No aquatic or aquatic- dependent species or their critical habitat are present in the action area. **You may skip to Section IV of this form. You are not required to fill out Section V.**

☐ The species list includes only aquatic and/or aquatic-dependent species and/or their designated critical habitat. No terrestrial species or their critical habitat are present in the action area. **You may skip to Section V of this form and are not required to fill out Section IV.**

☐ The species list includes both terrestrial and aquatic or aquatic-dependent species and/or their designated critical habitat. **You must fill out both Sections IV and V of this form.**

SECTION IV. EVALUATION OF DISCHARGE-RELATED ACTIVITIES EFFECTS

Note: You are only required to fill out this section if your facility's action area contains terrestrial species and/or their designated critical habitat. If your action area only contains aquatic and/or aquatic-dependent species and/or their designated critical habitat, you can skip directly to Section V.

Most of the potential effects related to coverage under the MSGP are assumed to occur to aquatic and/or aquatic-dependent species. However, in some cases, potential effects to terrestrial species and/or their critical habitat should be considered as well from any discharge-related activities that occur during coverage under the MSGP. Examples of discharge-related activities that could have potential effects on listed terrestrial species or their critical habitat include the storage of materials and land disturbances associated with stormwater management-related activities (e.g., the installation or placement of stormwater control measures).

A. Select the applicable statement(s) below and follow the corresponding instructions:

☐ There are no discharge-related activities that are planned to occur during my coverage under the 2021 MSGP. You can conclude that your discharge-related activities will have no likely adverse effects, and:

- If there are any aquatic or aquatic-dependent species and/or their critical habitat in your action area, you must skip to Section V, *Evaluation of Discharge Effects,* below.
- If there are no aquatic or aquatic-dependent species, you may skip to Section VI and verify that your activities will have no likely adverse effects. You must submit this form to EPA as specified in Section VII of this form. You may select criterion C on your NOI form and may submit your NOI for permit coverage 30 days after you have submitted this *Criterion C Eligibility Form*. You must also provide a description of the basis for the criterion you selected on your NOI form, **including the species and critical habitat list(s) in your action area**, as well as any other documentation supporting your eligibility. You must also include this completed *Criterion C Eligibility Form* in your SWPPP.

☐ There are discharge-related activities planned as part of the proposal. Describe your discharge- related activities in the following box and continue to (b) below.

B. In order to ensure any discharge-related activities will have no likely adverse effects on ESA-listed threatened and endangered species and/or their designated critical habitat, you must certify that all the following are true:

☐ Discharge-related activities will occur:

- on previously cleared/developed areas of the site where maintenance and operation of the facility are currently occurring or where existing conditions of the area(s) in which the discharge-related activities will occur precludes its use by listed species (e.g., work on existing impervious surfaces, work occurring inside buildings, area is not used by species), and
- if discharge-related activities will include the establishment of structures (including, but not limited to, infiltration ponds and other controls) or any related disturbances, these structures and/or disturbances will be sited in areas that will not result in isolation or degradation of nesting, breeding, or foraging habitat or other habitat functions for listed animal species (or their designated critical habitat), and will avoid the destruction of native vegetation (including listed plant species).

☐ If vegetation removal (e.g., brush clearing) or other similar activities will occur, no terrestrial listed species that use these areas for habitat would be expected to be present during vegetation removal and these activities will not occur within critical habitat.

If all the above are true, you can conclude that your discharge-related activities will have no likely adverse effects, and:

- If there are any aquatic or aquatic-dependent species and/or critical habitat in your action area, you must skip to Section V, *Evaluation of Discharge Effects,* below.
- If there are no aquatic or aquatic-dependent species, you may skip to Section VI and verify that your activities will have no likely adverse effects. You must submit this form to EPA as specified in Section VII of this form. You may select criterion C on your NOI and may submit your NOI for permit coverage 30 days after you have submitted this completed form. You must also provide a description of the basis for the criterion you selected on your NOI form, **including the species and critical habitat list(s)**, and any other documentation supporting your eligibility. You must also include this completed *Criterion C Eligibility Form* in your SWPPP.
- **If any of the above are not true**, you cannot conclude that your discharge-related activities will have no likely adverse effects. You must complete the rest of this form (if applicable) and must submit the form to EPA for assistance in determining your eligibility for coverage.

SECTION V. EVALUATION OF DISCHARGE EFFECTS

Note: You are only required to fill out this section if your facility's action area includes aquatic and/or aquatic-dependent species and/or their critical habitat.

In this section, you will evaluate the likelihood of adverse effects from your facility's discharges. The scope of effects to consider will vary with each facility and species/critical habitat characteristics. The following are examples of discharge affects you should consider:

- *Hydrological Effects.* Stormwater discharges may adversely affect receiving waters by causing changes in water quality parameters such as turbidity, temperature, salinity, or pH. Stormwater discharges may adversely affect the immediate vicinity of the discharge point through streambank erosion and scour. These effects will vary with the amount of stormwater

discharged and the volume and condition of the receiving water. Where a stormwater discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely.

- *Toxicity of Pollutants.* Pollutants in stormwater may have toxic effects on listed species and may adversely affect critical habitat. Exceedances of benchmarks, effluent limitation guidelines, or state or tribal water quality requirements may be indicative of potential adverse effects on listed species or critical habitat. However, some listed species may be adversely affected at pollutant concentrations below benchmarks, effluent limitation guidelines, and state or tribal water quality standards due to exposures to multiple stressors at the same time. In addition, stormwater pollutants identified in Part 6.2.3.2 of your SWPPP, but not monitored as benchmarks or effluent limitation guidelines, may also adversely affect listed species and critical habitat.

As these effects are difficult to analyze for listed species, their prey, habitat, and designated critical habitat, this form helps you to analyze your discharges to make a determination of whether your discharges will likely have adverse effects and whether there are any additional controls you can implement to ensure no likely adverse effects.

A. Evaluation of Pollutants and Controls to Avoid Adverse Effects. In this section, you must document **all** of your pollutant sources and pollutants expected to be discharged in stormwater (see Part 8). You must also document the controls you will implement to avoid adverse effects on listed aquatic and aquatic-dependent species and critical habitat. You must include specific details about the expected effectiveness of the controls in avoiding adverse effects to the listed aquatic-and aquatic-dependent species and critical habitat. Attach additional pages if needed.

Potential Pollutant Source	Potential Pollutants	**Controls to Avoid Adverse Effects on Listed Aquatic and Aquatic-Dependent Species and Critical Habitat.** Include information supporting why the control(s) will ensure no adverse effects, including any data you have about the effectiveness of the control(s) in reducing pollutant concentrations. You may also attach photos of
e.g., **vehicle and equipment fueling**	***e.g.,*** • **Oil & grease** • **Diesel** • **Gasoline** • **TSS** • **Antifreeze**	***e.g.,*** • **Fueling operators (including the transfer of fuel from tank trucks) will be conducted on an impervious or contained pad or under cover** • **Drip pans will be used where leaks or spills of fuel can occur and where making and breaking hose connections** • **Spill kit will be kept on-site in close proximity to potential spill areas** • **Any spills will be cleaned-up immediately using dry clean-up methods** • **Stormwater runoff will be diverted around fueling areas using diversion dikes and curbing**

Potential Pollutant Source	Potential Pollutants	Controls to Avoid Adverse Effects on Listed Aquatic and Aquatic-Dependent Species and Critical Habitat.

Potential Pollutant Source	Potential Pollutants	Controls to Avoid Adverse Effects on Listed Aquatic and Aquatic-Dependent Species and Critical Habitat.

☐ Check if you are not able to make a preliminary determination that any of your pollutants will be controlled to a level necessary to avoid adverse effects on aquatic and/or aquatic-dependent listed species and their designated critical habitat. You must check in Section VI that you are unable to make a determination of no likely adverse effects and must complete the rest of the form. You must submit your completed form to EPA for assistance in determining your eligibility for coverage.

B. Analysis of Effects Based on Past Monitoring Data. Select which of the following applies to your facility:

☐ I have no previous monitoring data for my facility because there are no applicable monitoring requirements for my facility's sector(s).

☐ I have no previous monitoring data for my facility because I am a new discharger or a new source, but I am subject to monitoring under the 2021 MSGP. You must provide information to support a conclusion that your facility's discharges are not expected to result in benchmark or numeric effluent limit exceedances that will adversely affect listed species or their critical habitat:

☐ My facility has not had any exceedances under the 2015 MSGP of any required benchmark(s) or numeric effluent limits. I comply with the applicable monitoring requirements and have not had any exceedances

☐ My facility has had exceedances of one or more benchmark(s) or numeric effluent limits under the 2015 MSGP, but I have addressed them during my coverage under the 2015 MSGP, or in my evaluation of controls to avoid adverse effects in (A) above. Describe all actions (including specific controls) that you will implement to ensure that the pollutants in your discharge(s) will not result in likely adverse effects from future exceedances.

☐ Check if your facility has had exceedances of one or more benchmarks or numeric effluent limits under the 2015 MSGP and you have not been able to address them to avoid adverse effects from future exceedances, or if you are a new discharger or a new source but you are not sure if you can avoid adverse effects from possible exceedances. You must check in Section VI that you are unable to make a determination of no likely adverse effects. You must submit your completed form to EPA for assistance in determining your eligibility for coverage. You may not file your NOI for permit coverage until you are able to make a determination that your discharges will avoid adverse effects on listed species and designated critical habitat.

SECTION VI VERIFICATION OF PRELIMINARY EFFECTS DETERMINATION

Based on Steps I – V of this form, you must verify your preliminary determination of effects on listed species and designated critical habitat from your discharges and/or discharge-related activities:

- ☐ Following the applicable Steps in I – V above, I have provided information supporting a preliminary determination that my discharges and/or discharge-related activities are not likely to adversely affect listed species and designated critical habitats.
- ☐ Following the applicable Steps in I – V above, I am **not** able to provide information supporting a preliminary determination that my discharges and/or discharge-related activities are not likely to adversely affect listed species and designated critical habitats.

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle initial, Last Name

Title

Signature:_____ Date:

E-mail:

SECTION VII CRITERION C ELIGIBILITY FORM SUBMISSION INSTRUCTIONS

Only if the applicable EPA Regional Office has granted you a waiver from electronic reporting, you must submit this completed form to EPA at msgpesa@epa.gov, including any attachments and any additional information that demonstrates how you will avoid or eliminate adverse effects to listed threatened and endangered species or designated critical habitat (e.g., specific controls you will implement to avoid or eliminate adverse effects). **Any missing or incomplete information may result in a delay of your coverage under the permit**.

If you have made a preliminary determination that your discharges and/or discharge-related activities are not likely to adversely affect listed species and critical habitat, this form must be submitted a minimum of 30 days prior to submitting your NOI for permit coverage under criterion C. Please note that during either the 30-day *Criterion C Eligibility Form* review period prior to your NOI submission, or within 30 days after your NOI submission and before you have been

authorized for permit coverage, EPA may advise you that additional information is needed, or that there are additional measures you must implement to avoid likely adverse effects.

If you are unable to make a preliminary determination that your discharges and/or discharge-related activities are not likely to adversely affect listed species and critical habitat, this worksheet must be submitted to EPA, but you may not file your NOI for permit coverage until you have received a determination from EPA that your discharges and/or discharge-related activities are not likely to adversely affect listed species and critical habitat.

Attachment 1

Include a **map and a written description** of the action area of your facility, as required in Step 2 of Section E.4 of Appendix E. You may choose to include the map that is generated from the FWS' on-line mapping tool IPaC (the *Information, Planning, and Consultation System*) located at http://ecos.fws.gov/ipac/.

The written description of your action area that accompanies your action area map must explain your rationale for the extent of the action area drawn on your map. For example, your action area written description may look something like this:

> *The action area for the (name of your facility)'s stormwater discharges extends downstream from the outfall(s) in (name of receiving waterbody) (# of meters/feet/kilometers/miles). The downstream limit of the action area reflects the approximate distance at which the discharge waters and any pollutants would be expected to cause potential adverse effects to listed species and/or critical habitat because (insert rationale). The action area does/does not extend to the (name of receiving waterbody)'s confluence with (name of confluence waterbody) because (insert rationale).*

Note that your action area written description will be highly site-specific, depending on the expected effects of your facility's discharges and discharge-related activities, receiving waterbody characteristics, etc.

Attachment 2

List or attach the list(s) of species and critical habitat in your action area on this sheet, as required in Step 3 of Section E.4 of Appendix E. You must include a list for applicable listed NMFS and USFWS species and critical habitat. If there are listed species and/or critical habitat for only one Service, you must include a statement confirming there are no listed species and/or critical habitat for the other Service. For USFWS species, include the USFWS Official Species List full printout from your IPaC query (including the consultation code and event code at the top of the FWS printout). *Note: If your Official Species List from the USFWS indicated no species or critical habitat were present in your action area, include the consultation code and event code that can be found at the top of your Official Species List in your NOI basis statement. If an Official Species List was not available on IPaC, list the contact date, the ecological services field office and the name of the Service staff with whom you corresponded to identify the existence of any USFWS species or critical habitat present in your action area.*

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
EPA's NOI PROCESSING CENTER

11/21/2017

Fort Carson
ATTN: Ronald P. Fitch
1626 Evans Street Building 1219
Fort Carson, CO 80913-5035

Fort Carson
1626 Evans Street Building 1219
Fort Carson, CO 80913-5035

NPDES ID: **COR05F003**

Dear Ronald P. Fitch:

This letter acknowledges that you have submitted a complete Multi Sector General Permit NOI **Modification** form. It has been processed and the information you provided has been updated in EPA's database.

If you have other questions concerning the stormwater program, please contact EPA Region 08:

Name: Amy Clark
Phone: (303) 312-7014
Email: clark.amy@epa.gov

If you have any questions regarding this letter, please contact the EPA NOI Processing Center at (866) 352-7755 (toll free) or send an email to noi@avanticorporation.com.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460
1-866-352-7755

CHANGE TO PERMIT COR05F003

NPDES FORM 3510-6	EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE NPDES MULTI-SECTOR GENERAL PERMIT	Form Approved. OMB No. 2040-0004

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section C of this form requests authorization to discharge pursuant to the NPDES Stormwater Multi-Sector General Permit (MSGP) permit number identified in Section B of this form. Submission of this NOI also constitutes notice that the operator identified in Section C of this form meets the eligibility conditions of Part 1.1 of the MSGP for the facility identified in Section D of this form. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form to complete your NOI.

A. Approval to Use Paper NOI Form

1. Have you been granted a waiver from electronic reporting from the EPA Regional Office*? ☒ YES ☐ NO

If yes, check which waiver you have been granted, the name of the EPA Regional Office staff person who granted the waiver, and the date of approval:

Waiver granted:
- ☐ The owner/operator's headquarters is physically located in a geographic area (i.e., ZIP code or census tract) that is identified as under-served for broadband Internet access in the most recent report from the Federal Communications Commission.
- ☒ The owner/operator has issues regarding available computer access or computer capability.

Name of EPA staff person that granted the waiver: Gregory Davis

Date approval obtained: 07 / 16 / 2015

* **Note: You are required to obtain approval from the applicable EPA Regional Office prior to using this paper NOI form. If you have not obtained a waiver, you must file this form electronically using the NPDES eReporting Tool (NeT) at http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-eNOI-System-for-EPAs-MultiSector-General-Permit.cfm**

B. Permit Information

NPDES ID (EPA Use Only):

1. Master Permit Number: COR05F000 (see Appendix C of the MSGP for the list of eligible master permit numbers)

2. Are you a new discharger or a new source as defined in Appendix A? ☐ YES ☒ NO (If yes, skip to Part C of this form).

3. If you are not a new discharger or a new source, have stormwater discharges from your facility been covered previously under an NPDES permit?

☒ YES ☐ NO

If yes, provide the NPDES ID if you had coverage under EPA's 2008 MSGP or the NPDES ID if you had coverage under an EPA individual permit: Covered under the 2000 MSGP but administratively extended

C. Facility Operator Information

1. Operator Information:

Operator Name: Fort Carson

Mailing Address:

Street: 1626 Evans Street Building 1219

City: Fort Carson State: CO ZIP Code: 80913-5035

County or Similar Government Subdivision: El Paso

Phone: 719-526-1697 Ext.

E-mail: chester.n.hahn.civ@mail.mil **CHANGE**

2. Operator Point of Contact Information:

First Name, Middle Initial, Last Name: Chester N Hahn

Title: Stormwater Program Manager **CHANGE**

3. NOI Preparer Information (Complete if NOI was prepared by someone other than the certifier):

First Name, Middle Initial, Last Name:

Organization: Chester N. Hahn **CHANGE**

Phone: 719-526-1697 Ext.

E-mail: chester.n.hahn.civ@mail.mil

CHANGE TO PERMIT COR05F003

D. Facility Information

1. Facility Name: Fort Carson

2. Facility Address:

Street/Location: 1626 Evans Street Building 1219

City: Fort Carson State: CO ZIP Code: 80913-5035

County or Similar Government Subdivision: El Paso

3. Latitude/Longitude for the facility:

Latitude: 38.7460° N (decimal degrees) Longitude: -104.7952° W (decimal degrees)

Latitude/Longitude Data Source: ☐ Map ☐ GPS ☒ Other

If you used a USGS topographic map, what was the scale? ESRI Basemap, Arc GIS

Horizontal Reference Datum: ☐ NAD 27 ☐ NAD 83 ☒ WGS 84

4. Is your facility located on Indian Country lands? ☐ YES ☒ NO

If yes, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable):

5. Are you requesting coverage under this NOI as a "federal operator" as defined in Appendix A? ☒ YES ☐ NO

6. What is the ownership type of the facility? ☒ Federal Facility (U.S. Government) ☐ Privately Owned Facility ☐ Municipality ☐ County Government ☐ Corporation ☐ State Government ☐ Tribal Government ☐ School District ☐ District ☐ Mixed Ownership (e.g. Public/Private) ☐ Municipal or Water District

7. Estimated area of industrial activity at your facility exposed to stormwater: 1029.5 (to the nearest quarter acre)

8. Sector-Specific Information

Identify the 4-digit Standard Industrial Classification (SIC) code or 2-letter Activity Code that best represents the products produced or services rendered for which your facility is primarily engaged, as defined in the MSGP, and the applicable sector and subsector of your primary industrial activity (See Appendix D):

Primary SIC Code: 4231 OR **Primary Activity Code:**

Sector: P **Subsector:** P1

Identify the applicable sector(s) and subsector(s) of any co-located industrial activity for which you are requesting permit coverage:

Sector: K **Subsector:** K1 **Sector:** N **Subsector:** N1 **Sector:** P **Subsector:** P1

Sector: S **Subsector:** S1 **Sector:** T **Subsector:** T1 **Sector:** **Subsector:**

If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of pure glycol in glycol-based deicing fluids and/or 100 tons or more of urea on an average annual basis? ☐ YES ☒ NO

If you are a Sector G (Metal Mining) facility, do you have discharges from waste rock and overburden piles? ☐ YES ☐ NO

Check the type of ore you mine at your facility: ☐ Tungsten Ore ☐ Nickel Ore ☐ Aluminum Ore ☐ Mercury Ore ☐ Iron Ore ☐ Platinum Ore ☐ Titanium Ore ☐ Vanadium Ore ☐ Molybdenum ☐ Uranium, Radium, and/or Vanadium Ore

9. Is your facility presently inactive and unstaffed?* ☐ YES ☒ NO

* Note that if your facility becomes inactive and unstaffed during the permit term, you must submit an NOI modification to reflect the change.

E. Discharge Information

1. By indicating "Yes" below, I confirm that I understand that the MSGP only authorizes the allowable stormwater discharges in Part 1.1.2 and the allowable non-stormwater discharges listed in Part 1.1.3. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state, or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.1.2 and 1.1.3 will be discharged, they must be covered under another NPDES permit. ☒ YES

2. Federal Effluent Limitation Guidelines

Are you requesting permit coverage for any stormwater discharges subject to effluent limitation guidelines? ☐ YES ☒ NO

If yes, which effluent limitation guidelines apply to your stormwater discharges?

40 CFR Part/Subpart	Eligible Discharges	Affected MSGP Sector	New Source Date	Check if Applicable
Part 411, Subpart C	Runoff from material storage piles at cement manufacturing facilities	E	2/20/1974	☐
Part 418 Subpart A	Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	C	4/8/1974	☐
Part 423	Coal pile runoff at steam electric generating facilities	O	11/19/1982 10/8/1974[1]	☐
Part 429, Subpart I	Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	A	1/26/1981	☐
Part 436, Subpart B, C, or D	Mine dewatering discharges at crushed stone mines, construction sand and gravel mines, or industrial sand mines	J	N/A	☐
Part 443, Subpart A	Runoff from asphalt emulsion facilities	D	7/28/1975	☐
Part 445, Subparts A & B	Runoff from hazardous waste and non-hazardous waste landfills	K, L	2/2/2000	☐
Part 449	Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures	S	6/15/2012	☐

[1]NSPS promulgated in 1974 were not removed via the 1982 regulation; therefore wastewaters generated by Part 423-applicable sources that were New Sources under the 1974 regulations are subject to the 1974 NSPS.

3. Receiving Waters Information: (Attach a separate list if necessary)

List all of the stormwater outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g., 001, 002). Also provide the latitude and longitude in degrees decimal for each outfall.		**For each outfall, provide the following receiving water information:**		
		Provide the name of the first water of the U.S. that receives stormwater directly from the outfall and/or from the MS4 that the outfall discharges to:	**If the receiving water is impaired (on the CWA 303(d) list), list the pollutants that are causing the impairment:**	**If a TMDL been completed for this receiving waterbody, providing the following information:**
Outfall ID	036 (Sector P) (Area 01)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 036 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E.Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º45'45.427" N			
Longitude	-104º47'53.254"W			
Outfall ID	007 (Sector P) (Area 02)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 007 from Impaired Waters Monitoring per MSGP Section 6.2.4.1 - Remove outfall 012 from permit. Building abandoned and to be demolished.	E.Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º45'14.254"N			
Longitude	-104º47'43.686"W			
If substantially identical to other outfall, list identical outfall ID: 012, 088, 090, 038, 009				

Outfall ID	016 (Sector P) (Area 03)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 036 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E.Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º45'11.047"N			
Longitude	-104º46'53.966"W			
If substantially identical to other outfall, list identical outfall ID: 045, 048, 049, 059, 018, 047, 046, 017, 060, 061, 062, 068, 067, 008				
Outfall ID	013 (Sector P) (Area 04)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 013 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º45'4.814"N			
Longitude	-104º47'1.468"W			
If substantially identical to other outfall, list identical outfall ID: 014, 057, 087				
Outfall ID	015 (Sector P) (Area 05)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 015 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º44'45.588"N			
Longitude	-104º46'55.742"W			
If substantially identical to other outfall, list identical outfall ID: 006, 051				
Outfall ID	003 (Sector P) (Area 6)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 003 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38º44'14.110"N			
Longitude	-104º46'22.182"W			
If substantially identical to other outfall, list identical outfall ID: 004, 005, 020, 035				

Outfall ID	002 (Sector P) (Area 07)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º44'4.097"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'4.774"W			
If substantially identical to other outfall, list identical outfall ID: 037				
Outfall ID	001 (Sector P) (Area 08)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º43'55.721"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º45'52.779"W			
If substantially identical to other outfall, list identical outfall ID: 019, 041, 043				
Outfall ID	034 (Sector P) (Area 09)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 034 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º43'36.268"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º45'4.018"W			
If substantially identical to other outfall, list identical outfall ID: 055, 089				
Outfall ID	065 (Sector P) (Area 10)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 065 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º44'8.126"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'39.517"W			
If substantially identical to other outfall, list identical outfall ID: 066				

Outfall ID	028 (Sector P) (Area 11)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E.Coli	**TMDL Name and ID:**
Latitude	38º43'50.575"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'47.274"W	CHANGE - Remove outfall 028 from Impaired Waters Monitoring per MSGP Section 6.2.4.1		
If substantially identical to other outfall, list identical outfall ID: 058				
Outfall ID	081 (Sector P) (Area 12)	Infantry Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º43'11.170"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º48'12.130"W	CHANGE - Remove outfall 081 from Impaired Waters Monitoring per MSGP Section 6.2.4.1		
If substantially identical to other outfall, list identical outfall ID:				
Outfall ID	021 (Sector P) (Area 13)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º43'32.637"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º45'36.521"W	CHANGE - Remove outfall 021 from Impaired Waters Monitoring per MSGP Section 6.2.4.1		
If substantially identical to other outfall, list identical outfall ID: 029, 030, 031, 052				
Outfall ID	023 (Sector P) (Area 14)	Infantry Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º42'42.755"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'57.154"W	CHANGE - Remove outfall 023 from Impaired Waters Monitoring per MSGP Section 6.2.4.1		
If substantially identical to other outfall, list identical outfall ID: 032, 033, 050, 064, 086, 084, 085				

Outfall ID	024 (Sector P) (Area 15)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 024 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E.Coli	**TMDL Name and ID:**
Latitude	38º40'43.692"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'51.727"W			
If substantially identical to other outfall, list identical outfall ID: 025, 026, 027, 042, 044, 071, 077, 069, 070				
Outfall ID	054 (Sector S) (Area 16)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Add substantially identical outfalls 102, 103, and 104 to accommodate new buildings	E. Coli	**TMDL Name and ID:**
Latitude	38º40'37.773"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º45'54.450"W			
If substantially identical to other outfall, list identical outfall ID: 072, 076, 078, 083, 091, 039, 040, 079, 080, 102, 103, 104				
Outfall ID	056 (Sector N) (Area 19)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 056 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º45'52.560"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º48'0.168"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	011 (Sector N) (Area 20)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 011 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º45'32.454"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º47'59.415"W			
If substantially identical to other outfall, list identical outfall ID: 095, 096, 097, 098, 099, 100, 101				

Outfall ID	010 (Sector N) (Area 21)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º45'30.073"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º47'37.049"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	063 (Sector N) (Area 22)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38º39'27.161"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º45'30.181"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	022 (Sector K) (Area 23)	Young Hollow - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 022 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º32'55.767"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º43'59.038"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	094 (Sector K) (Area 25)	Infantry Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 094 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º41'46.563"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º46'37.544"W			
If substantially identical to other outfall, list identical outfall ID: _____				

Outfall ID	093 (Sector T) (Area 26)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04) CHANGE - Remove outfall 093 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º43'23.796"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º44'39.959"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	053 (Sector S) (Area 17)	Big Johnson Reservoir- All tributaries to Fountain Creek which are not within the boundaries of National Forest or Air Force Academy Lands, including all wetlands, lakes, and reservoirs, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River (COARFO04L_3500) CHANGE - Remove outfall 053 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º46'35.528"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º41'42.019"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	082 (Sector P) (Area 18)	Big Johnson Reservoir- All tributaries to Fountain Creek which are not within the boundaries of National Forest or Air Force Academy Lands, including all wetlands, lakes, and reservoirs, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River (COARFO04L_3500) CHANGE - Remove outfall 082 from Impaired Waters Monitoring per MSGP Section 6.2.4.1	E. Coli	**TMDL Name and ID:**
Latitude	38º47'41.097"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104º43'24.603			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID				**TMDL Name and ID:**
Latitude				**Pollutant(s) for which there is a TMDL:**
Longitude				
If substantially identical to other outfall, list identical outfall ID: _____				

4. Provide the following Information about your outfall latitude longitude:

Latitude/Longitude Data Source: ☐ Map ☐ GPS ☒ Other

If you used a USGS topographic map, what was the scale? ESRI Basemap / ARC GIS

Horizontal Reference Datum: ☐ NAD 27 ☐ NAD 83 ☒ WGS 84

5. Does your facility discharge into a Muncipal Separate Storm Sewer System (MS4)? ☒ YES ☐ NO

If yes, provide the name of the MS4 operator: Fort Carson

6. Check if you discharge to any of the waters of the U.S. that are designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water) or as a Tier 3 water (Outstanding National Resource Water)? (See Appendix L).

☐ Tier 2/2.5. Provide the name(s) of receiving water(s): _____

☐ Tier 3 (Outstanding National Resource Waters)*

*** Note: You are ineligible for coverage if you are a new discharger or new source to waters designated as Tier 3 (outstanding national resource waters) for antidegradation purposes under 40 CFR 131.13(a)(3).**

7. If you are subject to benchmark monitoring requirements for a hardness-dependent metal, what is the hardness of your receiving water(s) (see Appendix J)?

250+ (mg/L)

8. If you are subject to benchmark monitoring requirements for a hardness-dependent metal, does your facility discharge into any saltwater receiving waters?

☐ YES ☒ NO

9. Does your facility discharge to a federal CERCLA site listed in Appendix P? ☐ YES ☒ NO

If yes, did you notify the EPA Regional Office in advance of filing your NOI, and did the EPA Regional Office determine that you are eligible for permit coverage pursuant to Part 1.1.4.10*? ☐ YES ☐ NO

*** Note: If you discharge to a federal CERCLA site listed in Appendix P, you are ineligible for coverage under this permit unless you notify the EPA Regional Office in advance and the EPA Regional Office determines you are eligible coverage under this permit. In determining your eligibility for coverage under this Part, the EPA Regional Office may evaluate whether you have included adequate controls and/or procedures to ensure that your discharges will not lead to recontamination of aquatic media at the CERCLA Site such that it will to cause or contribute to an exceedance of a water quality standard.**

F. Stormwater Pollution Prevention Plan (SWPPP) Information

1. Has the SWPPP been prepared in advance of filing this NOI, as required? ☒ YES ☐ NO

2. SWPPP Contact Information:

First Name, Middle Initial, Last Name: Chester N Hahn

Professional Title: Stormwater Program Manager

CHANGE

Phone: 719-526-1697 Ext.

E-mail: chester.n.hahn.civ@mail.mil

3. SWPPP Availability:

Your current SWPPP or certain information from your SWPPP must be made available through one of the following two options. Select one of the options and provide the required information*:

*** Note: You are not required to post any confidential business information (CBI) or restricted information (as defined in Appendix A) (such information may be redacted), but you must clearly identify those portions of the SWPPP that are being withheld from public access.**

☒ **Option 1**: Maintain a current copy of your SWPPP on an Internet page (Universal Resource Locator or URL).

CHANGE

Provide the web address URL: http://www.carson.army.mil/DPW/environmental/stormwater/index2.html

☐ **Option 2**: Provide the following information from your SWPPP:

A. Describe your onsite industrial activities exposed to stormwater (e.g., material storage; equipment fueling, maintenance, and cleaning; cutting steel beams), and potential spill and leak areas:

B. List the pollutant(s) or pollutant constituent(s) associated with each industrial activity exposed to stormwater that could be discharged in stormwater and any authorized non-stormwater discharges listed in Part 1.1.3:

C. Describe the control measures you will employ to comply with the non-numeric technology-based effluent limits required in Part 2.1.2 and Part 8, and any other measures taken to comply with the requirements in Part 2.2 Water Quality-Based Effluent Limitations (see Part 5.2.4):

D. Provide a schedule for good housekeeping and maintenance (see Part 5.2.5.1) and a schedule for all inspections required in Part 4 (see Part 5.2.5.2):

G. Endangered Species Protection

1. Using the instructions in Appendix E of the MSGP, under which endangered species criterion listed in Part 1.1.4.5 are you eligible for coverage under this permit (only check 1 box)?*

☒ A ☐ B ☐ C ☐ D ☐ E

*** Note: After you submit your NOI and before your NOI is authorized, EPA may notify you if any additional controls are necessary to ensure your discharges have no likely adverse affects on listed species and critical habitat.**

2. Provide a brief summary of the basis for the criterion selected in Appendix E (e.g., communication with U.S. Fish and Wildlife Service or National Marine Fisheries Service to determine no species in action area; implementation of controls approved by EPA and the Services):

Review of the action area with the Fort Carson Natural Resources Division has determined that there are no species or critical habitat in or near the action area.

3. If you select criterion B, provide the NPDES ID from the other operator's NOI authorized under this permit: ☐☐☐☐☐☐☐☐☐

4. If you select criterion C, you must answer the following questions:

a. What federally-listed species or designated critical habitat are located in your "action area":

b. Using the Appendix E worksheet, check which of the following is applicable to your facility and answer any corresponding questions:

☐ I submitted my completed *Criterion C Eligibility Form* to EPA at least 30 days prior to submitting this NOI and agree to implement any additional measures that were determined by EPA to be necessary to ensure that my discharges and/or discharge-related activities will not have likely adverse affects on listed species and critical habitat.

Date your *Criterion C Eligibilty Form* was sent to EPA: ☐☐ / ☐☐ / ☐☐☐☐

Describe any EPA-approved measures you will implement to ensure no likely adverse affects on listed species and critical habitat:

☐ I submitted my completed *Criterion C Eligibility Form* to EPA at least 30 days prior to submitting this NOI and have not been notified of any additional measures necessary to ensure no likely adverse affects on listed species and critical habitat.

Date your *Criterion C Eligibility Form* was sent to EPA: ☐☐ / ☐☐ / ☐☐☐☐

5. If you select criterion D or E, you must attach copies of any letters or other communications with the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

H. Historic Preservation

1. If your facility is not located on Indian country lands, is your facility located on a property of religious or cultural significance to an Indian tribe?

   ☐ YES ☒ NO

   If yes, provide the name of the Indian tribe associated with the property: _____

2. Using the instructions in Appendix F of the MSGP, under which historic properties preservation criterion listed in Part 1.1.4.6 are you eligible for coverage under this permit (only check 1 box)?

   ☒ A ☐ B ☐ C ☐ D

I. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle Initial, Last Name: Ronald P Fitch

Title: Garrison Commander

Signature: Ronald P. Fitch Jr.

Date: 10/25/2017

E-mail: ronald.p.fitch.mil@mail.mil

H. Historic Preservation

1. If your facility is not located on Indian country lands, is your facility located on a property of religious or cultural significance to an Indian tribe?

☐ YES ☒ NO

If yes, provide the name of the Indian tribe associated with the property:____

2. Using the instructions in Appendix F of the MSGP, under which historic properties preservation criterion listed in Part 1.1.4.6 are you eligible for coverage under this permit (only check 1 box)?

☒ A ☐ B ☐ C ☐ D

I. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle Initial, Last Name: Ronald P Fitch

Title: Garrison Commander

Signature: _____ Date: __ / __ / ____

E-mail: ronald.p.fitch.mil@mail.mil

Who Must File an NOI Form

Under section 402(p) of the Clean Water Act (CWA) and regulations at 40 CFR Part 122, stormwater discharges associated with industrial activity are prohibited to waters of the United States unless authorized under a National Pollutant Discharge Elimination System (NPDES) permit. You can obtain coverage under the MSGP by submitting a completed Notice of Intent (NOI) if you are an operator a facility:

- that is located in a jurisdiction where EPA is the permitting authority, listed in Appendix C of the MSGP,
- that discharges stormwater associated with industrial activities, identified in Appendix D of the MSGP,
- that meets the eligibility requirements in Part 1.1 of the permit,
- that has developed a stormwater pollution prevention plan (SWPPP) in accordance with Part 5 of the MSGP; and
- that installs and implements control measures in accordance with Part 2 and Part 8 to meet numeric and non-numeric effluent limits.

Completing the Form

Obtain and read a copy of the 2015 MSGP, viewable at http://water.epa.gov/polwaste/npdes/stormwater/EPA-Multi-Sector-General-Permit-MSGP.cfm. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. **Please submit original document with signature in ink - do not send a photocopied signature.**

Section A. Approval to Use Paper NOI Form

You must indicate whether you have been granted a waiver from electronic reporting from the EPA Regional Office. Note that you are not authorized to use this paper NOI form unless the EPA Regional Office has approved its use. Where you have obtained approval to use this form, indicate the waiver that you have been granted, the name of the EPA staff person who granted the waiver, and the date that approval was provided.

See http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-Contacts.cfm for a list of EPA Regional Office contacts.

Section B. Permit Information

Provide the master permit number of the permit under which you are applying for coverage (see Appendix C of the general permit for the list of eligible master permit numbers).

You must indicate whether you are a new discharger or a new source (see Appendix A for the definitions). If you are not a new discharger or a new source, you must indicate whether stormwater discharges from your facility have been previously covered under another NPDES permit. If yes, you must provide the unique NPDES ID (i.e., permit tracking number) for the previous permit your facility was covered under.

Section C. Facility Operator Information

Provide the legal name of the person, firm, public organization, or any other entity that operates the facility described in this NOI. An operator of a facility is the legal entity that controls the operation of the facility. Refer to Appendix A of the permit for the definition of "operator". Provide the operator's mailing address, phone number, and e-mail. Correspondence for the NOI will be sent to this address. Also provide the name and title for the operator point of contact (note that the point of contact name may be the same as the operator name).

If the NOI was prepared by someone other than the certifier (for example, if the NOI was prepared by the facility SWPPP contact or a consultant for the certifier's signature), include the full name, organization, phone number, and email address of the NOI preparer.

Section D. Facility Information

Enter the official or legal name and complete address, including city, state, ZIP code, and county or similar government subdivision of the facility. If the facility lacks a street address, indicate the general location of the facility (e.g., Intersection of State Highways 61 and 34). Complete facility information must be provided for permit coverage to be granted.

Provide the latitude and longitude of your facility in decimal degrees format. The latitude and longitude of your facility can be determined in several different ways, including through the use of global positioning system (GPS) receivers, U.S. Geological Survey (U.S.G.S.) topographic or quadrangle maps. Refer to http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html/ for assistance in providing the proper latitude/longitude format. For consistency, EPA requests that measurements be taken from the approximate center of the facility. Specify which method you used to determine latitude and longitude. If a U.S.G.S. topographic map is used, specify the scale of the map used. Enter the horizontal reference datum for your latitude and longitude. The horizontal reference datum used on USGS topographic maps is shown on the bottom left corner of USGS topographic maps; it is also available for GPS receivers.

Indicate whether the facility is on Indian country lands, and if so, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable).

Indicate whether you are seeking coverage under this permit as a "federal operator" as defined in Appendix A. Also check the ownership type for the facility (e.g., Federal Facility, Privately Owned Facility, Municipality, County Government, Corporation, State Government, Tribal Government, School District, District, Mixed Ownership [e.g., public/private], Municipal or Water District).

Enter the estimated area of industrial activity at your facility exposed to stormwaterto the nearest quarter acre.

List the four-digit Standard Industrial Classification (SIC) code or two character activity code that best describes the primary industrial activities performed by your facility under which you are required to obtain permit coverage. Your primary industrial activity includes any activities performed on-site which are (1) identified by the facility's primary SIC code and included in the descriptions of 40 CFR 122.26(b)(14)(ii), (iii), (vi), or (viii); or (2) included in the narrative descriptions of 40 CFR 122.26(b)(14)(i), (iv), (v), (vii), or (ix). See Appendix D of the MSGP for a complete list of SIC codes and activities codes covered under the MSGP. Also provide the applicable sector and subsector associated with the SIC code or activity code for your primary industrial activities. For a complete list of sector and subsector codes, see Appendix D of the MSGP.

If your facility has co-located industrial activities that are not identified as your primary industrial activity, identify the sector and subsector codes that describe these other industrial activities.

For Sector S facilities (Air Transportation), indicate whether you anticipate that the entire airport facility will use more than 100,000 gallons of pure glycol in glycol-based deicing fluids and/or 100 tons or more of urea on an average annual basis. If so, additional effluent limits and monitoring conditions apply to your discharge (see Part 8.S of the permit).

For Sector G facilities (Metal Mining), check the type of ore(s) mined at the facility.

Indicate whether your facility is currently inactive and unstaffed. Note that if your facility becomes inactive and unstaffed during the permit term, you must submit an NOI modification to reflect the change.

Section E. Discharge Information

You must confirm that you understand that the MSGP only authorizes the allowable stormwater discharges listed in Part 1.1.2 and the allowable non-stormwater discharges listed in Part 1.1.3. Any discharges not expressly authorized under the MSGP are not covered by the MSGP or the permit shield provision of the CWA Section 402(k) and they cannot become authorized or shielded by disclosure to EPA, state, or local authorities via the NOI to be covered by the permit or by any other means (e.g., in the SWPPP or during an inspection). If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.1.2 and 1.1.3 will be discharged, they must either be eliminated or covered under another NPDES permit.

Depending on your industrial activities, your facility may be subject to federal effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Please review these requirements, described in Part 2.1.3 of the MSGP, and check any appropriate boxes on the NOI form.

You must identify all the outfalls from your facility that discharge stormwater. Each outfall must be assigned a unique 3-digit ID (e.g., 001, 002, 003). You must also provide the latitude and longitude for each outfall from your facility. Indicate whether any outfalls are substantially identical to an outfall already listed, and identify the outfall it is identical to. For each unique outfall you list, you must specify the name of the first water of the U.S. that receives stormwater directly from the outfall and/or from the MS4 that the outfall discharges to. You must specify whether any receiving waters that you discharge to are listed as "impaired" as defined in Appendix A, and the pollutants for which the water is impaired. You must also check identify any Total Maximum Daily Loads (TMDL) that have been completed for any of the waters of the U.S. that you discharge to. You must also provide information about the outfall latitude/longitude, including data source, the scale (if applicable), and the horizontal reference datum. See the instructions in Section D for more information about determining the latitude and longitude.

Identify whether your facility discharges into a Municipal Separate Storm Sewer System (MS4). If yes, provide the name of the MS4 operator. If you are uncertain of the MS4 operator, contact your local government for that information.

Indicate whether discharges from the facility will enter into a water of the U.S that is designated as a Tier 2, Tier 2.5, or Tier 3 water. A list of Tier 2, 2.5, and 3 waters is provided as Appendix L. If the answer is "yes", name all waters designated as Tier 2, Tier 2.5, or Tier 3 to which the facility will discharge. Note that you are ineligible for coverage if you are a new discharger or a new source to waters designated as Tier 3 (outstanding national resource waters) for antidegradation purposes under 40 CFR 131.13(a)(3).

If you are subject to any benchmark monitoring requirements for metals (see the requirements applicable to your Sector(s) in Part 8 of the permit), indicate the hardness for your receiving water(s). See Appendix J of the permit for information about determining waterbody hardness.

If you are subject to benchmark monitoring requirements for hardness-dependent metals you must also answer whether your facility discharges into any saltwater receiving waters.

Indicate whether your facility will discharge to a federal CERCLA site listed in Appendix P. Note that if your facility will discharge into a federal CERCLA site listed in Appendix P, you are not eligible for coverage under this permit unless you notify the EPA Regional Office in advance and the EPA Regional Office authorizes overage under this permit after you have included adequate controls and/or procedures designed to ensure that discharges will not lead to recontamination of aquatic media at the CERCLA site such that your discharge will cause or contribute to an exceedance of a water quality standard.

Section F. Stormwater Pollution Prevention Plan (SWPPP) Information

All facilities eligible for coverage under this permit are required to prepare a SWPPP in advance of filing the NOI, in accordance with Part 5. Indicate whether the SWPPP has been prepared in advance of filing the NOI.

Indicate the contact information (name, phone, and email) for the person who developed the SWPPP for this facility.

You identify how your SWPPP information will be made available, consistent with Part 5.4 and 7.3 of the permit. If you are making your SWPPP publicly available on a web site, check Option 1 and provide the appropriate Internet URL address. If you are not providing a URL, check Option 2 and provide the selected SWPPP information on this NOI form. You may copy and paste this information directly from your SWPPP.

Section G. Endangered Species Protection

Using the instructions in Appendix E, indicate the Part 1.1.4.5 criterion (i.e., A, B, C, D, or E) you are eligible under with regard to the protection of federally listed endangered and threatened species and designated critical habitat. A description of the basis for the criterion selected must also be provided.

If criterion B is selected, provide the NPDES ID (i.e., permit tracking number) for the other operator who has certified their eligibility under this permit. The NPDES ID was assigned when the operator received coverage under this permit.

If criterion C is selected, you must specify the federally-listed species or designated critical habitat that are located in the "action area" of the facility. You must also indicate under which scenario you determined you were eligible to submit your NOI under criterion C using Appendix E, and answer any corresponding questions.

If criterion D or E is selected, attach copies of any communications between you and the U.S. Fish and Wildlife Service and National Marine Fisheries Service to this NOI.

Section H. Historic Preservation

If the project is not located in Indian country lands, indicate whether the project is located on a property of religious or cultural significance to an Indian tribe, and if so, provide the name of the Indian tribe associated with the property. Use the instructions in Appendix F to complete the questions on the NOI form regarding historic preservation.

Instructions for Completing EPA Form 3510-6

Notice of Intent (NOI) for Stormwater Discharges Associated with Industrial Activity Under the NPDES Multi-Sector General Permit

NPDES Form Date (06/15) This Form Replaces From 3510-6 (09/08) Form Approved OMB No. 2040-0004

Section I. Certification

Certification statement and signature (see Section B.11 of Appendix B of the MSGP for more information). Enter certifier's printed name, title and email address. Sign and date the form. (CAUTION: An unsigned or undated NOI form will prevent the granting of permit coverage.) Federal statutes provide for severe penalties for submitting false information on this application form. Federal regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA). Include the name and title of the person signing the form and the date of signing.

An unsigned or undated NOI form will not be considered eligible for permit coverage.

Modifying Your NOI

If you have been granted a waiver from your Regional Office from electronic reporting, and if after submitting your NOI you need to correct or update any fields on this NOI form, you may do so by indicating changes on this same form.

Paperwork Reduction Act Notice

Public reporting burden for this NOI is estimated to average 3.7 hours, plus an additional 2 hours for certain respondents required to gather hardness data. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

Submitting Your Form

If you have been granted a waiver from your Regional Office to submit a paper NOI form, you must send your NOI by mail to one of the following addresses:

For Regular U.S. Mail Delivery:
Stormwater Notice Processing Center
Mail Code 4203M, ATTN: 2015 MSGP Reports
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

For Overnight/Express Mail Delivery:
Stormwater Notice Processing Center
William Jefferson Clinton East Building - Room 7420
ATTN: 2015 MSGP Reports
U.S. EPA
1201 Constitution Avenue, NW
Washington, DC 20004

Visit this website for instructions on how to submit electronically:
http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-eNOI-System-for-EPAs-MultiSector-General-Permit.cfm

NPDES FORM 3510-6	EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY UNDER THE NPDES MULTI-SECTOR GENERAL PERMIT	Form Approved. OMB No. 2040-0004

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section C of this form requests authorization to discharge pursuant to the NPDES Stormwater Multi-Sector General Permit (MSGP) permit number identified in Section B of this form. Submission of this NOI also constitutes notice that the operator identified in Section C of this form meets the eligibility conditions of Part 1.1 of the MSGP for the facility identified in Section D of this form. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form to complete your NOI.

A. Approval to Use Paper NOI Form

1. Have you been granted a waiver from electronic reporting from the EPA Regional Office*? ☒ YES ☐ NO

If yes, check which waiver you have been granted, the name of the EPA Regional Office staff person who granted the waiver, and the date of approval:

Waiver granted:

☐ The owner/operator's headquarters is physically located in a geographic area (i.e., ZIP code or census tract) that is identified as under-served for broadband Internet access in the most recent report from the Federal Communications Commission.

☒ The owner/operator has issues regarding available computer access or computer capability.

Name of EPA staff person that granted the waiver: Gregory Davis

Date approval obtained: 07 / 16 / 2015

*** Note: You are required to obtain approval from the applicable EPA Regional Office prior to using this paper NOI form. If you have not obtained a waiver, you must file this form electronically using the NPDES eReporting Tool (NeT) at http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-eNOI-System-for-EPAs-MultiSector-General-Permit.cfm**

B. Permit Information

NPDES ID (EPA Use Only):

1. Master Permit Number: COR05F000 (see Appendix C of the MSGP for the list of eligible master permit numbers)

2. Are you a new discharger or a new source as defined in Appendix A? ☐ YES ☒ NO (If yes, skip to Part C of this form).

3. If you are not a new discharger or a new source, have stormwater discharges from your facility been covered previously under an NPDES permit?

☒ YES ☐ NO

If yes, provide the NPDES ID if you had coverage under EPA's 2008 MSGP or the NPDES ID if you had coverage under an EPA individual permit: Covered under the 2000 MSGP but administratively extended

C. Facility Operator Information

1. Operator Information:

Operator Name: Fort Carson

Mailing Address:

Street: 1626 Evans St. Building 1219

City: Fort Carson State: CO ZIP Code: 80913-5035

County or Similar Government Subdivision: El Paso

Phone: 719-526-1697 Ext.

E-mail: suzanne.a.rohrs.civ@mail.mil

2. Operator Point of Contact Information:

First Name, Middle Initial, Last Name: Suzanne A Rohrs

Title: Stormwater Program Manager

3. NOI Preparer Information (Complete if NOI was prepared by someone other than the certifier):

First Name, Middle Initial, Last Name:

Organization: Suzanne A. Rohrs

Phone: 719-526-1697 Ext.

E-mail: suzanne.a.rohrs.civ@mail.mil

D. Facility Information

1. Facility Name: Fort Carson

2. Facility Address:

Street/Location: 1626 Evans St. Building 1219

City: Fort Carson State: CO ZIP Code: 80913-5035

County or Similar Government Subdivision: El Paso

3. Latitude/Longitude for the facility:

Latitude: 38.7460 ° N (decimal degrees) Longitude: -104.7952 ° W (decimal degrees)

Latitude/Longitude Data Source: ☐ Map ☐ GPS ☒ Other

If you used a USGS topographic map, what was the scale? ESRI Basemap, Arc GIS

Horizontal Reference Datum: ☐ NAD 27 ☐ NAD 83 ☒ WGS 84

4. Is your facility located on Indian Country lands? ☐ YES ☒ NO

If yes, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable):

5. Are you requesting coverage under this NOI as a "federal operator" as defined in Appendix A? ☒ YES ☐ NO

6. What is the ownership type of the facility? ☒ Federal Facility (U.S. Government) ☐ Privately Owned Facility ☐ Municipality ☐ County Government ☐ Corporation ☐ State Government ☐ Tribal Government ☐ School District ☐ District ☐ Mixed Ownership (e.g. Public/Private) ☐ Municipal or Water District

7. Estimated area of industrial activity at your facility exposed to stormwater: 1029.5 (to the nearest quarter acre)

8. Sector-Specific Information

Identify the 4-digit Standard Industrial Classification (SIC) code or 2-letter Activity Code that best represents the products produced or services rendered for which your facility is primarily engaged, as defined in the MSGP, and the applicable sector and subsector of your primary industrial activity (See Appendix D):

Primary SIC Code: 4231 OR **Primary Activity Code:**

Sector: P **Subsector:** P1

Identify the applicable sector(s) and subsector(s) of any co-located industrial activity for which you are requesting permit coverage:

Sector: K **Subsector:** K1 **Sector:** N **Subsector:** N1 **Sector:** P **Subsector:** P1

Sector: S **Subsector:** S1 **Sector:** T **Subsector:** T1 **Sector:** **Subsector:**

If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of pure glycol in glycol-based deicing fluids and/or 100 tons or more of urea on an average annual basis? ☐ YES ☒ NO

If you are a Sector G (Metal Mining) facility, do you have discharges from waste rock and overburden piles? ☐ YES ☐ NO

Check the type of ore you mine at your facility: ☐ Tungsten Ore ☐ Nickel Ore ☐ Aluminum Ore ☐ Mercury Ore ☐ Iron Ore ☐ Platinum Ore ☐ Titanium Ore ☐ Vanadium Ore ☐ Molybdenum ☐ Uranium, Radium, and/or Vanadium Ore

9. Is your facility presently inactive and unstaffed?* ☐ YES ☒ NO

* Note that if your facility becomes inactive and unstaffed during the permit term, you must submit an NOI modification to reflect the change.

E. Discharge Information

1. By indicating "Yes" below, I confirm that I understand that the MSGP only authorizes the allowable stormwater discharges in Part 1.1.2 and the allowable non-stormwater discharges listed in Part 1.1.3. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state, or local authorities after issuance of this permit via any means, including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.1.2 and 1.1.3 will be discharged, they must be covered under another NPDES permit. ☒ YES

2. Federal Effluent Limitation Guidelines

Are you requesting permit coverage for any stormwater discharges subject to effluent limitation guidelines? ☐ YES ☒ NO

If yes, which effluent limitation guidelines apply to your stormwater discharges?

40 CFR Part/Subpart	Eligible Discharges	Affected MSGP Sector	New Source Date	Check if Applicable
Part 411, Subpart C	Runoff from material storage piles at cement manufacturing facilities	E	2/20/1974	☐
Part 418 Subpart A	Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished product, by-products or waste products (SIC 2874)	C	4/8/1974	☐
Part 423	Coal pile runoff at steam electric generating facilities	O	11/19/1982 10/8/1974[1]	☐
Part 429, Subpart I	Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas	A	1/26/1981	☐
Part 436, Subpart B, C, or D	Mine dewatering discharges at crushed stone mines, construction sand and gravel mines, or industrial sand mines	J	N/A	☐
Part 443, Subpart A	Runoff from asphalt emulsion facilities	D	7/28/1975	☐
Part 445, Subparts A & B	Runoff from hazardous waste and non-hazardous waste landfills	K, L	2/2/2000	☐
Part 449	Runoff containing urea from airfield pavement deicing at existing and new primary airports with 1,000 or more annual non-propeller aircraft departures	S	6/15/2012	☐

[1]NSPS promulgated in 1974 were not removed via the 1982 regulation; therefore wastewaters generated by Part 423-applicable sources that were New Sources under the 1974 regulations are subject to the 1974 NSPS.

3. Receiving Waters Information: (Attach a separate list if necessary)

List all of the stormwater outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g., 001, 002). Also provide the latitude and longitude in degrees decimal for each outfall.		**For each outfall, provide the following receiving water information:**		
		Provide the name of the first water of the U.S. that receives stormwater directly from the outfall and/or from the MS4 that the outfall discharges to:	**If the receiving water is impaired (on the CWA 303(d) list), list the pollutants that are causing the impairment:**	**If a TMDL been completed for this receiving waterbody, providing the following information:**
Outfall ID	036 (Sector P)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E.Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38°45'45.427" N			
Longitude	-104°47'53.254"W			
Outfall ID	007 (Sector P)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E.Coli	**TMDL Name and ID:** **Pollutant(s) for which there is a TMDL:**
Latitude	38°45'14.254"N			
Longitude	-104°47'43.686"W			
If substantially identical to other outfall, list identical outfall ID: 012, 088, 090,038, 009				

Outfall ID	016 (Sector P)	B-Ditch -	E.Coli	**TMDL Name and ID:**
Latitude	38°45'11.047"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'53.966"W			
If substantially identical to other outfall, list identical outfall ID: 045, 048, 049, 059, 018, 047, 046, 017, 060, 061, 062, 068, 067, 008				
Outfall ID	013 (Sector P)	Clover Ditch -	E. Coli	**TMDL Name and ID:**
Latitude	38°45'4.814"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°47'1.468"W			
If substantially identical to other outfall, list identical outfall ID: 014, 057, 087				
Outfall ID	015 (Sector P)	Clover Ditch -	E. Coli	**TMDL Name and ID:**
Latitude	38°44'45.588"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'55.742"W			
If substantially identical to other outfall, list identical outfall ID: 006, 051				
Outfall ID	003 (Sector P)	Clover Ditch -	E. Coli	**TMDL Name and ID:**
Latitude	38°44'14.110"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'22.182"W			
If substantially identical to other outfall, list identical outfall ID: 004, 005, 020, 035				

Outfall ID	002 (Sector P)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°44'4.097"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'4.774"W			
If substantially identical to other outfall, list identical outfall ID: 037				
Outfall ID	001 (Sector P)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°43'55.721"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°45'52.779"W			
If substantially identical to other outfall, list identical outfall ID: 019, 041, 043				
Outfall ID	034 (Sector P)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°43'36.268"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°45'4.018"W			
If substantially identical to other outfall, list identical outfall ID: 055, 089				
Outfall ID	065 (Sector P)	Clover Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°44'8.126"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'39.517"W			
If substantially identical to other outfall, list identical outfall ID: 066				

Outfall ID	028 (Sector P)	Clover Ditch -	E.Coli	**TMDL Name and ID:**
Latitude	38°43'50.575"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'47.274"W			
If substantially identical to other outfall, list identical outfall ID: 058				
Outfall ID	081 (Sector P)	Infantry Creek -	E. Coli	**TMDL Name and ID:**
Latitude	38°43'11.170"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°48'12.130"W			
If substantially identical to other outfall, list identical outfall ID:				
Outfall ID	021 (Sector P)	Clover Ditch -	E. Coli	**TMDL Name and ID:**
Latitude	38°43'32.637"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°45'36.521"W			
If substantially identical to other outfall, list identical outfall ID: 029, 030, 031, 052				
Outfall ID	023 (Sector P)	Infantry Creek -	E. Coli	**TMDL Name and ID:**
Latitude	38°42'42.755"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'57.154"W			
If substantially identical to other outfall, list identical outfall ID: 032, 033, 050, 064, 086, 084, 085				

Outfall ID	024 (Sector P)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E.Coli	**TMDL Name and ID:**
Latitude	38°40'43.692"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'51.727"W			
If substantially identical to other outfall, list identical outfall ID: 025, 026, 027, 042, 044, 071, 077, 069, 070				
Outfall ID	054 (Sector S)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°40'37.773"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°45'54.450"W			
If substantially identical to other outfall, list identical outfall ID: 072, 076, 078, 083, 091, 039, 040, 079, 080				
Outfall ID	056 (Sector N)	B- Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°45'52.560"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°48'0.168"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	011 (Sector N)	B-Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°45'32.454"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°47'59.415"W			
If substantially identical to other outfall, list identical outfall ID: 095, 096, 097, 098, 099, 100, 101				

Outfall ID	010 (Sector N)	B- Ditch - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°45'30.073"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°47'37.049"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	063 (Sector N)	Rock Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°39'27.161"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°45'30.181"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	022 (Sector K)	Young Hollow - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°32'55.767"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°43'59.038"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	094 (Sector K)	Infantry Creek - All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)	E. Coli	**TMDL Name and ID:**
Latitude	38°41'46.563"N			**Pollutant(s) for which there is a TMDL:**
Longitude	-104°46'37.544"W			
If substantially identical to other outfall, list identical outfall ID: _____				

Outfall ID	093 (Sector T)	Clover Ditch -	E. Coli	**TMDL Name and ID:**
Latitude	38°43'23.796"N	All tributaries to Fountain Creek that are not on National Forest or Air Force Academy Land (COARFO04)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°44'39.959"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	053 (Sector S)	Big Johnson Reservoir-	E. Coli	**TMDL Name and ID:**
Latitude	38°46'35.528"N	All tributaries to Fountain Creek which are not within the boundaries of National Forest or Air Force Academy Lands, including all wetlands, lakes, and reservoirs, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River (COARFO04L_3500)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°41'42.019"W			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID	082 (Sector P)	Big Johnson Reservoir -	E. Coli	**TMDL Name and ID:**
Latitude	38°47'41.097"N	All tributaries to Fountain Creek which are not within the boundaries of National Forest or Air Force Academy Lands, including all wetlands, lakes, and reservoirs, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River (COARFO04L_3500)		**Pollutant(s) for which there is a TMDL:**
Longitude	-104°43'24.603			
If substantially identical to other outfall, list identical outfall ID: _____				
Outfall ID				**TMDL Name and ID:**
Latitude				**Pollutant(s) for which there is a TMDL:**
Longitude				
If substantially identical to other outfall, list identical outfall ID: _____				

4. Provide the following Information about your outfall latitude longitude:

Latitude/Longitude Data Source: ☐ Map ☐ GPS ☒ Other

If you used a USGS topographic map, what was the scale? ESRI Basemap / Arc GIS

Horizontal Reference Datum: ☐ NAD 27 ☐ NAD 83 ☒ WGS 84

5. Does your facility discharge into a Muncipal Separate Storm Sewer System (MS4)? ☒ YES ☐ NO

If yes, provide the name of the MS4 operator: Fort Carson

6. Check if you discharge to any of the waters of the U.S. that are designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water) or as a Tier 3 water (Outstanding National Resource Water)? (See Appendix L).

☐ Tier 2/2.5. Provide the name(s) of receiving water(s): _____

☐ Tier 3 (Outstanding National Resource Waters)*

*** Note: You are ineligible for coverage if you are a new discharger or new source to waters designated as Tier 3 (outstanding national resource waters) for antidegradation purposes under 40 CFR 131.13(a)(3).**

7. If you are subject to benchmark monitoring requirements for a hardness-dependent metal, what is the hardness of your receiving water(s) (see Appendix J)?

250 + (mg/L)

8. If you are subject to benchmark monitoring requirements for a hardness-dependent metal, does your facility discharge into any saltwater receiving waters?

☐ YES ☒ NO

9. Does your facility discharge to a federal CERCLA site listed in Appendix P? ☐ YES ☒ NO

If yes, did you notify the EPA Regional Office in advance of filing your NOI, and did the EPA Regional Office determine that you are eligible for permit coverage pursuant to Part 1.1.4.10*? ☐ YES ☐ NO

*** Note: If you discharge to a federal CERCLA site listed in Appendix P, you are ineligible for coverage under this permit unless you notify the EPA Regional Office in advance and the EPA Regional Office determines you are eligible coverage under this permit. In determining your eligibility for coverage under this Part, the EPA Regional Office may evaluate whether you have included adequate controls and/or procedures to ensure that your discharges will not lead to recontamination of aquatic media at the CERCLA Site such that it will to cause or contribute to an exceedance of a water quality standard.**

F. Stormwater Pollution Prevention Plan (SWPPP) Information

1. Has the SWPPP been prepared in advance of filing this NOI, as required? ☒ YES ☐ NO

2. SWPPP Contact Information:

First Name, Middle Initial, Last Name: Suzanne A Rohrs

Professional Title: Stormwater Program Manager

Phone: 719 - 526 - 1697 Ext.

E-mail: Suzanne.a.rohrs.civ@mail.mil

3. SWPPP Availability:

Your current SWPPP or certain information from your SWPPP must be made available through one of the following two options. Select one of the options and provide the required information*:

*** Note: You are not required to post any confidential business information (CBI) or restricted information (as defined in Appendix A) (such information may be redacted), but you must clearly identify those portions of the SWPPP that are being withheld from public access.**

☒ **Option 1**: Maintain a current copy of your SWPPP on an Internet page (Universal Resource Locator or URL).

Provide the web address URL: http://www.carson.army.mil/DPW/environmental/stormwater/index.html

☐ **Option 2**: Provide the following information from your SWPPP:

A. Describe your onsite industrial activities exposed to stormwater (e.g., material storage; equipment fueling, maintenance, and cleaning; cutting steel beams), and potential spill and leak areas:

B. List the pollutant(s) or pollutant constituent(s) associated with each industrial activity exposed to stormwater that could be discharged in stormwater and any authorized non-stormwater discharges listed in Part 1.1.3:

C. Describe the control measures you will employ to comply with the non-numeric technology-based effluent limits required in Part 2.1.2 and Part 8, and any other measures taken to comply with the requirements in Part 2.2 Water Quality-Based Effluent Limitations (see Part 5.2.4):

D. Provide a schedule for good housekeeping and maintenance (see Part 5.2.5.1) and a schedule for all inspections required in Part 4 (see Part 5.2.5.2):

G. Endangered Species Protection

1. Using the instructions in Appendix E of the MSGP, under which endangered species criterion listed in Part 1.1.4.5 are you eligible for coverage under this permit (only check 1 box)?*

☒ A ☐ B ☐ C ☐ D ☐ E

*** Note: After you submit your NOI and before your NOI is authorized, EPA may notify you if any additional controls are necessary to ensure your discharges have no likely adverse affects on listed species and critical habitat.**

2. Provide a brief summary of the basis for the criterion selected in Appendix E (e.g., communication with U.S. Fish and Wildlife Service or National Marine Fisheries Service to determine no species in action area; implementation of controls approved by EPA and the Services):
Review of the action area with the Fort Carson Natural Resources Division has determined that there are no species or critical habitat in or near the action area.

3. If you select criterion B, provide the NPDES ID from the other operator's NOI authorized under this permit: ☐☐☐☐☐☐☐☐☐

4. If you select criterion C, you must answer the following questions:

a. What federally-listed species or designated critical habitat are located in your "action area":

b. Using the Appendix E worksheet, check which of the following is applicable to your facility and answer any corresponding questions:

☐ I submitted my completed *Criterion C Eligibility Form* to EPA at least 30 days prior to submitting this NOI and agree to implement any additional measures that were determined by EPA to be necessary to ensure that my discharges and/or discharge-related activities will not have likely adverse affects on listed species and critical habitat.

Date your *Criterion C Eligibilty Form* was sent to EPA: ☐☐ / ☐☐ / ☐☐☐☐

Describe any EPA-approved measures you will implement to ensure no likely adverse affects on listed species and critical habitat:

☐ I submitted my completed *Criterion C Eligibility Form* to EPA at least 30 days prior to submitting this NOI and have not been notified of any additional measures necessary to ensure no likely adverse affects on listed species and critical habitat.

Date your *Criterion C Eligibility Form* was sent to EPA: ☐☐ / ☐☐ / ☐☐☐☐

5. If you select criterion D or E, you must attach copies of any letters or other communications with the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

H. Historic Preservation

1. If your facility is not located on Indian country lands, is your facility located on a property of religious or cultural significance to an Indian tribe?

   ☐ YES ☒ NO

   If yes, provide the name of the Indian tribe associated with the property:____

2. Using the instructions in Appendix F of the MSGP, under which historic properties preservation criterion listed in Part 1.1.4.6 are you eligible for coverage under this permit (only check 1 box)?

   ☒ A ☐ B ☐ C ☐ D

I. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle Initial, Last Name: Joel D Hamilton

Title: Garrison Commander

Signature: _____ Date: __ / __ / ____

E-mail: suzanne.a.rohrs.civ@mail.mil

Who Must File an NOI Form

Under section 402(p) of the Clean Water Act (CWA) and regulations at 40 CFR Part 122, stormwater discharges associated with industrial activity are prohibited to waters of the United States unless authorized under a National Pollutant Discharge Elimination System (NPDES) permit. You can obtain coverage under the MSGP by submitting a completed Notice of Intent (NOI) if you are an operator a facility:

- that is located in a jurisdiction where EPA is the permitting authority, listed in Appendix C of the MSGP,
- that discharges stormwater associated with industrial activities, identified in Appendix D of the MSGP,
- that meets the eligibility requirements in Part 1.1 of the permit,
- that has developed a stormwater pollution prevention plan (SWPPP) in accordance with Part 5 of the MSGP; and
- that installs and implements control measures in accordance with Part 2 and Part 8 to meet numeric and non-numeric effluent limits.

Completing the Form

Obtain and read a copy of the 2015 MSGP, viewable at http://water.epa.gov/polwaste/npdes/stormwater/EPA-Multi-Sector-General-Permit-MSGP.cfm. To complete this form, type or print, using uppercase letters, in the appropriate areas only. Please place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use only one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response. **Please submit original document with signature in ink - do not send a photocopied signature.**

Section A. Approval to Use Paper NOI Form

You must indicate whether you have been granted a waiver from electronic reporting from the EPA Regional Office. Note that you are not authorized to use this paper NOI form unless the EPA Regional Office has approved its use. Where you have obtained approval to use this form, indicate the waiver that you have been granted, the name of the EPA staff person who granted the waiver, and the date that approval was provided.

See http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-Contacts.cfm for a list of EPA Regional Office contacts.

Section B. Permit Information

Provide the master permit number of the permit under which you are applying for coverage (see Appendix C of the general permit for the list of eligible master permit numbers).

You must indicate whether you are a new discharger or a new source (see Appendix A for the definitions). If you are not a new discharger or a new source, you must indicate whether stormwater discharges from your facility have been previously covered under another NPDES permit. If yes, you must provide the unique NPDES ID (i.e., permit tracking number) for the previous permit your facility was covered under.

Section C. Facility Operator Information

Provide the legal name of the person, firm, public organization, or any other entity that operates the facility described in this NOI. An operator of a facility is the legal entity that controls the operation of the facility. Refer to Appendix A of the permit for the definition of "operator". Provide the operator's mailing address, phone number, and e-mail. Correspondence for the NOI will be sent to this address. Also provide the name and title for the operator point of contact (note that the point of contact name may be the same as the operator name).

If the NOI was prepared by someone other than the certifier (for example, if the NOI was prepared by the facility SWPPP contact or a consultant for the certifier's signature), include the full name, organization, phone number, and email address of the NOI preparer.

Section D. Facility Information

Enter the official or legal name and complete address, including city, state, ZIP code, and county or similar government subdivision of the facility. If the facility lacks a street address, indicate the general location of the facility (e.g., Intersection of State Highways 61 and 34). Complete facility information must be provided for permit coverage to be granted.

Provide the latitude and longitude of your facility in decimal degrees format. The latitude and longitude of your facility can be determined in several different ways, including through the use of global positioning system (GPS) receivers, U.S. Geological Survey (U.S.G.S.) topographic or quadrangle maps. Refer to http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html/ for assistance in providing the proper latitude/longitude format. For consistency, EPA requests that measurements be taken from the approximate center of the facility. Specify which method you used to determine latitude and longitude. If a U.S.G.S. topographic map is used, specify the scale of the map used. Enter the horizontal reference datum for your latitude and longitude. The horizontal reference datum used on USGS topographic maps is shown on the bottom left corner of USGS topographic maps; it is also available for GPS receivers.

Indicate whether the facility is on Indian country lands, and if so, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable).

Indicate whether you are seeking coverage under this permit as a "federal operator" as defined in Appendix A. Also check the ownership type for the facility (e.g., Federal Facility, Privately Owned Facility, Municipality, County Government, Corporation, State Government, Tribal Government, School District, District, Mixed Ownership [e.g., public/private], Municipal or Water District).

Enter the estimated area of industrial activity at your facility exposed to stormwaterto the nearest quarter acre.

List the four-digit Standard Industrial Classification (SIC) code or two character activity code that best describes the primary industrial activities performed by your facility under which you are required to obtain permit coverage. Your primary industrial activity includes any activities performed on-site which are (1) identified by the facility's primary SIC code and included in the descriptions of 40 CFR 122.26(b)(14)(ii), (iii), (vi), or (viii); or (2) included in the narrative descriptions of 40 CFR 122.26(b)(14)(i), (iv), (v), (vii), or (ix). See Appendix D of the MSGP for a complete list of SIC codes and activities codes covered under the MSGP. Also provide the applicable sector and subsector associated with the SIC code or activity code for your primary industrial activities. For a complete list of sector and subsector codes, see Appendix D of the MSGP.

If your facility has co-located industrial activities that are not identified as your primary industrial activity, identify the sector and subsector codes that describe these other industrial activities.

For Sector S facilities (Air Transportation), indicate whether you anticipate that the entire airport facility will use more than 100,000 gallons of pure glycol in glycol-based deicing fluids and/or 100 tons or more of urea on an average annual basis. If so, additional effluent limits and monitoring conditions apply to your discharge (see Part 8.S of the permit).

For Sector G facilities (Metal Mining), check the type of ore(s) mined at the facility.

Indicate whether your facility is currently inactive and unstaffed. Note that if your facility becomes inactive and unstaffed during the permit term, you must submit an NOI modification to reflect the change.

Section E. Discharge Information

You must confirm that you understand that the MSGP only authorizes the allowable stormwater discharges listed in Part 1.1.2 and the allowable non-stormwater discharges listed in Part 1.1.3. Any discharges not expressly authorized under the MSGP are not covered by the MSGP or the permit shield provision of the CWA Section 402(k) and they cannot become authorized or shielded by disclosure to EPA, state, or local authorities via the NOI to be covered by the permit or by any other means (e.g., in the SWPPP or during an inspection). If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.1.2 and 1.1.3 will be discharged, they must either be eliminated or covered under another NPDES permit.

Depending on your industrial activities, your facility may be subject to federal effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Please review these requirements, described in Part 2.1.3 of the MSGP, and check any appropriate boxes on the NOI form.

You must identify all the outfalls from your facility that discharge stormwater. Each outfall must be assigned a unique 3-digit ID (e.g., 001, 002, 003). You must also provide the latitude and longitude for each outfall from your facility. Indicate whether any outfalls are substantially identical to an outfall already listed, and identify the outfall it is identical to. For each unique outfall you list, you must specify the name of the first water of the U.S. that receives stormwater directly from the outfall and/or from the MS4 that the outfall discharges to. You must specify whether any receiving waters that you discharge to are listed as "impaired" as defined in Appendix A, and the pollutants for which the water is impaired. You must also check identify any Total Maximum Daily Loads (TMDL) that have been completed for any of the waters of the U.S. that you discharge to. You must also provide information about the outfall latitude/longitude, including data source, the scale (if applicable), and the horizontal reference datum. See the instructions in Section D for more information about determining the latitude and longitude.

Identify whether your facility discharges into a Municipal Separate Storm Sewer System (MS4). If yes, provide the name of the MS4 operator. If you are uncertain of the MS4 operator, contact your local government for that information.

Indicate whether discharges from the facility will enter into a water of the U.S that is designated as a Tier 2, Tier 2.5, or Tier 3 water. A list of Tier 2, 2.5, and 3 waters is provided as Appendix L. If the answer is "yes", name all waters designated as Tier 2, Tier 2.5, or Tier 3 to which the facility will discharge. Note that you are ineligible for coverage if you are a new discharger or a new source to waters designated as Tier 3 (outstanding national resource waters) for antidegradation purposes under 40 CFR 131.13(a)(3).

If you are subject to any benchmark monitoring requirements for metals (see the requirements applicable to your Sector(s) in Part 8 of the permit), indicate the hardness for your receiving water(s). See Appendix J of the permit for information about determining waterbody hardness.

If you are subject to benchmark monitoring requirements for hardness-dependent metals you must also answer whether your facility discharges into any saltwater receiving waters.

Indicate whether your facility will discharge to a federal CERCLA site listed in Appendix P. Note that if your facility will discharge into a federal CERCLA site listed in Appendix P, you are not eligible for coverage under this permit unless you notify the EPA Regional Office in advance and the EPA Regional Office authorizes overage under this permit after you have included adequate controls and/or procedures designed to ensure that discharges will not lead to recontamination of aquatic media at the CERCLA site such that your discharge will cause or contribute to an exceedance of a water quality standard.

Section F. Stormwater Pollution Prevention Plan (SWPPP) Information

All facilities eligible for coverage under this permit are required to prepare a SWPPP in advance of filing the NOI, in accordance with Part 5. Indicate whether the SWPPP has been prepared in advance of filing the NOI.

Indicate the contact information (name, phone, and email) for the person who developed the SWPPP for this facility.

You identify how your SWPPP information will be made available, consistent with Part 5.4 and 7.3 of the permit. If you are making your SWPPP publicly available on a web site, check Option 1 and provide the appropriate Internet URL address. If you are not providing a URL, check Option 2 and provide the selected SWPPP information on this NOI form. You may copy and paste this information directly from your SWPPP.

Section G. Endangered Species Protection

Using the instructions in Appendix E, indicate the Part 1.1.4.5 criterion (i.e., A, B, C, D, or E) you are eligible under with regard to the protection of federally listed endangered and threatened species and designated critical habitat. A description of the basis for the criterion selected must also be provided.

If criterion B is selected, provide the NPDES ID (i.e., permit tracking number) for the other operator who has certified their eligibility under this permit. The NPDES ID was assigned when the operator received coverage under this permit.

If criterion C is selected, you must specify the federally-listed species or designated critical habitat that are located in the "action area" of the facility. You must also indicate under which scenario you determined you were eligible to submit your NOI under criterion C using Appendix E, and answer any corresponding questions.

If criterion D or E is selected, attach copies of any communications between you and the U.S. Fish and Wildlife Service and National Marine Fisheries Service to this NOI.

Section H. Historic Preservation

If the project is not located in Indian country lands, indicate whether the project is located on a property of religious or cultural significance to an Indian tribe, and if so, provide the name of the Indian tribe associated with the property. Use the instructions in Appendix F to complete the questions on the NOI form regarding historic preservation.

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: By a general partner or the proprietor, respectively; or

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA). Include the name and title of the person signing the form and the date of signing.

An unsigned or undated NOI form will not be considered eligible for permit coverage.

Modifying Your NOI

If you have been granted a waiver from your Regional Office from electronic reporting, and if after submitting your NOI you need to correct or update any fields on this NOI form, you may do so by indicating changes on this same form.

Paperwork Reduction Act Notice

Public reporting burden for this NOI is estimated to average 3.7 hours, plus an additional 2 hours for certain respondents required to gather hardness data. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding the burden estimate, any other aspect of the collection of information, or suggestions for improving this form, including any suggestions which may increase or reduce this burden to: Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number on any correspondence. Do not send the completed form to this address.

Submitting Your Form

If you have been granted a waiver from your Regional Office to submit a paper NOI form, you must send your NOI by mail to one of the following addresses:

For Regular U.S. Mail Delivery:
Stormwater Notice Processing Center
Mail Code 4203M, ATTN: 2015 MSGP Reports
U.S. EPA
1200 Pennsylvania Avenue, NW
Washington, DC 20460

For Overnight/Express Mail Delivery:
Stormwater Notice Processing Center
William Jefferson Clinton East Building - Room 7420
ATTN: 2015 MSGP Reports
U.S. EPA
1201 Constitution Avenue, NW
Washington, DC 20004

Visit this website for instructions on how to submit electronically:
http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-eNOI-System-for-EPAs-MultiSector-General-Permit.cfm

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Appendix B – Delegation of Authority

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

22 February 2021

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. United States Environmental Protection Agency (USEPA) 2017 Construction General Permit, Appendix I, Section 1.11.

2. IAW the above references, I delegate my signature authority to the personnel listed below for all signatory requirements of the Fort Carson Stormwater Program set forth by the Environmental Protection Agency (EPA). When the EPA requires a MS4 or MSGP permit application, a copy of the application must first be staffed for my approval:

a. The Director of Public Works

b. The Environmental Division Chief, DPW

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

4. The point of contact for this memorandum is Mr. Tyler W Conquest, Stormwater Program Manager, at 719-526-1697, or Tyler.W.Conquest.civ@mail.mil .

NATHAN R. SPRINGER
COL, AR
Garrison Commander

CF:
Dir, DPW
Ch, Env Div, DPW

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Appendix C – EPA Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (COR05F003)

A .pdf version of the 2021 MSGP can be downloaded at the following link:
https://www.epa.gov/npdes/stormwater-discharges-industrial-activities-epas-2021-msgp

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Appendix D – Rail Yard (Area 1)

Location: Building 238 (main office)

Site Coordinator: Army Field Support Battalion (AFSBn) - Transportation Specialist

Phone: (719) 526-6291

1.0. INDUSTRIAL ACTIVITY DESCRIPTION

The Rail Yard is located at the northern end of the installation (Building 238) near the intersection of Specker and Wickersham. It is run by the Army Field Support Battalion (AFSBn) under the Army Sustainment Command. The facility is utilized for the transportation, loading, and unloading of materials, equipment, and Army vehicles via freight trains. The locomotive maintenance facility is entirely indoors. Isolated locomotive sanding occurs north of the maintenance building on a concrete pad. Material storage at the rail yard may consist of equipment and vehicle storage on rail cars prior to unloading or transportation, limited outdoor storage on rails and rail spurs, and hazmat storage in covered sheds. The maintenance facility is equipped with a sump system to a 500 gallon used oil aboveground storage tank (AST) that is double walled and indoors. There is a 1000 gallon diesel AST for refueling operations that is also double walled and indoors. Activities at this facility fall under the SIC Code of 4013, under Sector P.

The rail yard is classified as Subsector P1 (Land Transportation and Warehousing – Railroad Transportation), and is subject to the following Indicator Monitoring:

Parameter	Frequency	Duration
Chemical Oxygen Demand (COD)	Quarterly	Entirety of permit coverage
Total Suspended Solids (TSS)	Quarterly	Entirety of permit coverage
pH	Quarterly	Entirety of permit coverage
Polycyclic Aromatic Hydrocarbons (PAHs)*	Bi-annually	First and fourth year of permit coverage

* - Polycyclic Aromatic Hydrocarbons (PAHs). Monitoring is required for the 16 individual PAHs identified at Appendix A to 40 CFR Part 423: naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, indeno[1,2,3-c,d]pyrene, and dibenz[a,h]anthracene. Samples must be analyzed using EPA Method 625.1, or EPA Method 610/Standard Method 6440B if preferred by the operator, consistent with 40 CFR 136 analytical methods.

This site also discharges to an impaired water body, therefore, the following impaired waters monitoring is also applicable:

Parameter	Frequency	Duration
E. Coli	Annually	First and fourth year of permit coverage

Benchmark and effluent monitoring are not required at the Rail Yard.

2.0. SITE MAP

Stormwater sheet flows to the north and east across the gravel areas of the rail yard and in to a series of open gravel and vegetated ditches, and ultimately to B-Ditch. Ditches. Sampling occurs at Outfall 036 to be the most representative for both the rail yard and the maintenance/sanding area. A site map of the facility is presented in Figure D-1.

Figure D-1. Rail Yard (Area 1)

The Site Map for the Rail Yard is included as Figure D-1 (Appendix Q). The map is considered to be confidential or restricted information. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. Areas have been kept from previous SWPPPs for consistency of documentation.

3.0. POTENTIAL POLLUTANT SOURCES

Table D-1 describes the potential pollutant sources at the site and their potential to pollute stormwater discharges. The site activities, materials, and physical features possibly impacting stormwater are identified in the table. For each potential pollutant source, a narrative assessment of its risk to stormwater quality is included. Visual observations are also included for all potential sources. Table D-1 will be updated as necessary to reflect any changes that occur at the site.

Table D-1. Potential Pollutant Sources

Potential Pollutant Source	Pollutants of Concern	Visual Observations / Controls	Contamination Potential
Dumpsters / scrap metal storage	Metals, Floatable debris	Covered dumpsters are located at the facility. They are in good shape and there is no evidence of trash on the ground that may become floatable debris.	Low

Aboveground storage tanks (500 gallons – used oil; 1000 gallons diesel)	Oil and Grease, Total Petroleum Hydrocarbons (TPH), fuel	A 500 gallon double walled used oil AST and a 1000 gallon diesel AST are located indoors a mechanical room at the maintenance facility (Bldg. 238). The sump in the maintenance pit feeds the AST. The AST has a high level alarm system for overfill protection and a continuous release detection method for leaks. There is a spill kit present.	Low
Locomotive sanding	TSS	Locomotive sanding occurs on a concrete pad adjacent to the maintenance facility. This area is swept immediately following the sanding operations with excess material collected to be re-used or properly disposed of.	Medium
Locomotive Maintenance	Oil and Grease, TPH, fuel	Locomotive maintenance occurs indoors in a facility with a sump for used oil and an Oil Water Separator that discharges to the sanitary sewer to minimize exposure to stormwater.	Low
POL Storage	Oil and Grease, TPH, fuel	POL is stored indoors or under cover on secondary containment to minimize the potential for spills. Spill kits are available if needed.	Medium

3.1. SIGNIFICANT SPILLS AND RELEASES

Significant spills and releases of petroleum and hazardous substances or other pollutants including unauthorized non-stormwater discharges that may adversely affect water quality that occurred in the past 3 years are presented in Table D-3. The table will be updated as necessary to record all significant spills or releases that occur. Spill reporting is done in accordance with the SPCC.

Table D-3. Significant Spills and Releases*

Date (month/day/year)	DESCRIPTION			RESPONSE PROCEDURES	
	Location	Type of Material	Quantity	Amount Recovered	Material Still Exposed?
No spills or releases have occurred at the site in the last 3 years.	NA	NA	NA	NA	NA

* Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

4.0. STORMWATER CONTROL MEASURES

Existing stormwater control measures at the site are identified in Table D-4 and will be implemented by site personnel. SCM selection and design considerations, as well as how they address the potential pollutant sources must be documented as described in the permit (Part 2.1 and 6.2.4).

In general, the following considerations were made for the SCMs at the Rail Yard:

- Potential pollutants are either stored indoors or under cover with secondary containment as appropriate to minimize contact with stormwater;
- Multiple SCMs are utilized to provide maximum efficiency on minimizing pollutants in the stormwater discharge;
- The existing type of pollutants and the potential to impact receiving water quality is indicated in Table D-1;
- The facility is primarily impervious (gravel) to allow for stormwater infiltration where possible;
- Stormwater is sent through a series of gravel and vegetated ditches to attenuate flow prior to discharging in to the receiving water;
- Treatment interceptors are infeasible due to the volume and nature of the runoff;
- The rail yard is within the 100 year flood plain and the Base Flood Elevation (BFE – elevation of

surface water resulting from a flood that has a 1% chance of equaling or exceeding that level in any given year) must be considered – in all cases, the structures in the area are stationary, and materials are moved as necessary to higher ground if the threat of a severe storm is imminent; and

- Employees are trained to recognize the BFE hazards and associated actions to needed to mitigate them.

Descriptions of how the SCMs address the potential pollutant sources is provided in Table D-4 below.

Table D-4. Existing Control Measures

Existing Control Measure	Description
Minimize Exposure	
Indoor Storage and containment	All hazardous materials are stored indoors or under cover with containment to minimize contact with stormwater.
Cleaning operations	Cleaning operations are conducted indoors. The maintenance facility is equipped with an oil water separator that leads to the sanitary sewer.
Good Housekeeping	
Sweeping	Areas utilized for locomotive sanding are swept after sanding operations are complete in order to capture excess material to be properly disposed of. Additionally, dry cleaning methods are used inside of the maintenance facility and the concrete areas of the marshalling yard are routinely swept using a street sweeper.
Storage of Materials	Hazardous materials and used oil are stored in appropriate containers or in double walled tanks. This includes a 500 gallon double walled AST for used oil, and a 1000 gallon double walled AST for diesel fuel.
Covered dumpsters	The dumpsters are covered to prevent contact with stormwater and are regularly evaluated for leaks.
General good housekeeping	All areas are maintained in a clean and orderly manner. Access to material storage areas is controlled. Regular inspections are conducted of the

	area to pick up trash and debris to minimize the potential for these items to be discharged.
Maintenance and Repair	
Inspections and preventive maintenance	The stormwater drainage system, SCMs, and other associated equipment are inspected at a minimum of quarterly, and maintenance occurs as needed. Additionally, the facility staff submit service or work orders as necessary if they identify issues or concerns at the facility that must be addressed.
Maintenance of non-structural control measures	Spill kits are evaluated and re-stocked based on Routine and facility level inspections. Facility personnel receive training on how to respond to spills, as well as their particular activities and how they may impact stormwater.
ASTs and fuel dispensers	ASTs and fuel dispensers are regularly inspected and maintained to minimize the potential for failure. The tanks have a high level alarm system for overfill protection and a continuous release detection method for leaks.
Spill Prevention and Response	
Spills and leaks	Spills and leaks are cleaned up immediately. Used absorbent material is disposed of appropriately. Only dry cleanup methods are used.
Drip pans	Drip pans are utilized as needed for leaking vehicles or equipment that is stored outdoors. Drip pans are inspected daily and emptied as needed.
Spill/overflow protection equipment	The ASTs are equipped with an alarm for leak detection in the interstitial space and also an overfill alarm to minimize spills and leaks.
Container labeling	All hazardous material containers are plainly labeled to encourage proper handling and facilitate rapid response if spills or leaks occur. This includes the ASTs.

Containment	Hazardous materials are stored in appropriate secondary containment or in double walled tanks that are either indoors or under appropriate cover to minimize the potential for pollutants in the stormwater.
Spill kits	Spill kits are available throughout the facility near areas where spills may occur. Dry cleanup methods are used and used absorbents are disposed of through the HWSF.
Training	Employee training includes spill response procedures, to include who to contact at DPW-Environmental for further reporting if required.
Erosion and Sediment Control	
Gravel lot	The majority of the rail yard (with the exception of the sanding area and parts of the marshalling area) are covered in coarse gravel to encourage infiltration and minimize erosion.
Rip rap	Rip rap or larger gravel is utilized in many of the open drainage ditches do minimize the velocity of runoff and prevent scouring.
Management of Runoff	
Infiltration	The majority of the rail yard is covered in coarse gravel to encourage infiltration and to minimize runoff
Employee Training and Education	
Training	Training of employees will be conducted either through the EPO course or on-site by the SWPPPT. Training will include at a minimum: Overview of the SWPPP; Spill prevention and control; general good housekeeping practices; maintenance requirements; material management; location of SCMs and their maintenance requirements; proper procedures with respect to pollution prevention; when and how to conduct inspections, record finding and take corrective actions; and the emergency response procedures as

	the facility is within the 1% Base Flood Elevation (BFE) area. Training records are kept by DPW-ENV and are available upon request.
Non-Stormwater Discharges	
Non-Stormwater Discharge Inspection (Appendix I)	At a minimum, all permitted facilities will be evaluated during the first year of the permit for non-stormwater discharges. Inspection forms are located in Appendix I. This evaluation is in addition to the MS4 permit required Illicit Discharge Detection and Elimination (IDDE) survey that is conducted annually.
Dust Generation and Vehicle Tracking of Industrial Materials	
Gravel and paved surfaces	The majority of the facility is covered in gravel and the remaining areas and main access road are paved, which minimizes dust generation. Vehicle traffic is primarily limited to the paved areas with few exceptions. Street sweeping is utilized as needed.
Sector Specific Non-Numeric Effluent Limits	
Additional Inspection Requirements	The following areas will be inspected during Routine inspections: storage areas; fueling areas; indoor and outdoor vehicle/equipment maintenance areas; material storage areas; cleaning areas; and loading/unloading areas.
Facility Inspections/Monitoring	
Conducted quarterly using the Routine Facility Inspection form (see Appendix I)	Inspections are focused on: areas where materials are stored or handled and that are exposed to stormwater.
Quarterly Visual Assessments (see Appendix J)	Monitoring focused on quality of stormwater discharging from the site.
Indicator Monitoring (see Appendix K)	Monitoring required for indicator parameters (see Industrial Activity Description above)

Impaired Waters Monitoring (see Appendix M)	Monitoring required due to discharge to an impaired water body (see Industrial Activity Description above)

5.0. SCHEDULE AND PROCEDURES

Table D-5 provides a schedule for the inspection and maintenance of the existing control measures at the site. This table will be updated as necessary to address any changes in SCMs.

Table D-5. Schedule for Inspection and Maintenance of Control Measures

Area/Control Measure	Task	Frequency
Material Storage	Visually inspect the ASTs and hazardous material storage areas. Inspect spill kits for condition and required supplies.	Monthly
Litter control	Visually inspect facility and grounds for trash and debris. Dispose of materials in appropriate trash or recycling receptacles.	Weekly
Dumpsters	Inspect for leaks and overall condition. Increase frequency of trash pickup as needed.	Weekly
Sweeping	Sweep the sanding area immediately following locomotive sanding operations to collect excess material.	As needed

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Appendix E – Hazardous Waste Storage Facility (HWSF) (Area 25)

Location: Building 9248

Site Coordinator: DPW-ENV, TSDF Coordinator

Phone: (719) 526-8003

1.0. INDUSTRIAL ACTIVITY DESCRIPTION

The Hazardous Waste Storage Facility (HWSF) (Area 25) Building 9248 on Butts Road is utilized for greater than 90 Day storage of hazardous waste in accordance with Fort Carson's RCRA Permit (CO-17-08-29-01). When the need arises, unit level or Directorate of Public Works (DPW) Environmental Division staff will transport hazardous waste to this facility for storage up to one year prior to shipment via a permitted hauler to a permitted disposal site off the installation.

Activities at this facility fall under the SIC Code of HZ, under Sector K. The HWSF is classified as Subsector K1 (Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA), which requires the following Benchmark Monitoring:

Parameter	Benchmark	Units	Frequency	Duration
Ammonia	2.14	mg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Chemical Oxygen Demand (COD)	120	mg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Arsenic	150	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Cadmium*	4.7	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Cyanide	22	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)

Total Recoverable Lead*	262	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Mercury	1.4	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Selenium	1.5 (still / standing waters)	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Silver*	20	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)

* - denotes a parameter that is hardness dependent. Fort Carson has determined the hardness value to be +250 mg/L and the value included for the benchmark concentration has been derived from Part 8 of the permit.

This site also discharges to an impaired water body, therefore, the following impaired waters monitoring is also applicable:

Parameter	Frequency	Duration
E. Coli	Annually	First and fourth year of permit coverage

This facility is not a hazardous waste landfill, therefore numeric effluent monitoring in Part 8.K.7 does not apply. This facility does not use coal-tar sealants and is not subject to any indicator monitoring.

2.0. SITE MAP

Stormwater from the facility sheet flows to the south and east, entering a drop inlet, or to the north and east and exiting the site at Outfall 094. Stormwater then flows through a series of natural and manmade drainage channels towards a tributary to Infantry Creek. The drop inlet structure does not discharge as it is used to aid in the infiltration of stormwater run-off. Due to the nature of the topography at this site, monitoring is conducted at the drop inlet as opposed to Outfall 094 due to the significant volume of run-off that it would take to reach the actual outfall. The discharge to the drop inlet is more representative of the discharge from the facility. A site map of the facility is presented in Figure E-1.

Figure E-1. HWSF (Area 25)

The Site Map for the HWSF is included as Figure E-1 (Appendix Q). The map is considered to be confidential or restricted information. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. Area numbers have been kept from previous SWPPPs for consistency of documentation.

3.0. POTENTIAL POLLUTANT SOURCES

Table E-1 describes the potential pollutant sources at the site and their potential to pollute stormwater discharges. The site activities, materials, and physical features possibly impacting stormwater are identified in the table. For each potential pollutant source, a narrative assessment of its risk to stormwater quality is included. Visual observations are also included for all potential sources. Table E-1 will be updated as necessary to reflect any changes that occur at the site.

Table E-1. Potential Pollutant Sources

Potential Pollutant Source	Pollutants of Concern	Visual Observations	Contamination Potential
Hazardous Waste / materials	Varies (consult current inventory/manifest)	All hazardous waste/material is stored indoors or under cover with appropriate containment or in double walled ASTs. The only potential for hazardous waste to discharge is during loading and unloading operations. Facility personnel are responsible for loading and unloading operations or the supervision of the operations to minimize the potential for a release.	Medium
Contaminated soil and scrap metal roll-offs	Oil & Grease, TPH, fuel	Roll-offs are kept covered when not in use, are regularly inspected for leaks, and	Low

		are stored on a concrete pad with a berm to allow for cleanup of any spills or residue as needed.	
Leaking vehicles	Oil & Grease, TPH, fuel	Vehicles are used for loading and unloading operations. The facility maintains some on-site equipment and vehicles to facilitate this process (forklifts, etc.). Drip pans are utilized as necessary. The loading/unloading and vehicle traffic areas are paved to facilitate easy clean- up of any spills or leaks that may occur.	Low

3.1. SIGNIFICANT SPILLS AND RELEASES

Significant spills and releases of petroleum and hazardous substances or other pollutants including unauthorized non-stormwater discharges that may adversely affect water quality that occurred in the past 3 years are presented in Table E-3. The table will be updated as necessary to record all significant spills or releases that occur. Spill reporting is done in accordance with the SPCC.

Table E-3. Significant Spills and Releases*

Date (month/day/year)	DESCRIPTION			RESPONSE PROCEDURES	
	Location	Type of Material	Quantity	Amount Recovered	Material Still Exposed?
No spills or releases have occurred at the site in the last 3 years.	NA	NA	NA	NA	NA

* Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

4.0. STORMWATER CONTROL MEASURES

Existing stormwater control measures at the site are identified in Table E-4 and will be implemented by site personnel. SCM selection and design considerations, as well as how they address the potential pollutant sources must be documented as described in the permit (Part 2.1 and 6.2.4).

In general, the following considerations were made for the SCMs at the HWSF:

- Potential pollutants are either stored indoors or under cover with secondary containment as appropriate to minimize contact with stormwater;
- Multiple SCMs are utilized to provide maximum efficiency on minimizing pollutants in the stormwater discharge;
- The existing type of pollutants and the potential to impact receiving water quality is indicated in Table E-1;
- The area surrounding the facility is primarily impervious (gravel and vegetation) to allow for stormwater infiltration where possible;
- Stormwater sheet flows across gravel and vegetated areas to ditches to attenuate flow prior to discharging in to the receiving water;
- Treatment interceptors are infeasible due to the volume and nature of the runoff; and
- The HWSF is NOT within the 100 year flood plain and has not been impacted from previous major storm events, therefore emergency procedures are not required to be in place.

Descriptions of how the SCMs address the potential pollutant sources is provided in Table E-4 below.

Table E-4. Existing Control Measures

Existing Control Measure	Description
Minimize Exposure	
Indoor Storage and/or containment	All hazardous wastes are stored indoors or under cover with containment to minimize contact with stormwater.
Berming and grading	The roll-offs for contaminated soil and scrap metal (empty hazardous materials containers) are located in a concrete area with a curb to minimize discharges of any incidental residue. Storage containers for hazardous waste are located at a higher elevation from surrounding areas to minimize contact with stormwater.
Vehicle cleaning	Cleaning operations are NOT conducted onsite. Vehicles are washed at a designated wash facility

	equipped with an Oil Water Separator that discharges to the sanitary sewer.
Good Housekeeping	
Storage of Materials	Hazardous waste, used oil and antifreeze are stored in appropriate containers with containment.
Covered roll-offs	The roll-offs for scrap metal (empty hazardous materials containers) and contaminated soil are covered to prevent contact with stormwater and are regularly evaluated for leaks.
General good housekeeping	All areas are maintained in a clean and orderly manner. Access to the storage area is controlled. Regular inspections are conducted of the area to pick up trash and debris to minimize the potential for these items to be discharged.
Maintenance and Repair	
Inspections and preventive maintenance	The stormwater drainage system, SCMs, and other associated equipment are inspected at a minimum of quarterly, and maintenance occurs as needed. Additionally, the facility staff submit service or work orders as necessary if they identify issues or concerns at the facility that must be addressed.
Maintenance of non-structural control measures (Spill kits, training)	Spill kits are evaluated and re-stocked based on Routine and facility level inspections. Facility personnel receive training on how to respond to spills, as well as their particular activities and how they may impact stormwater.
ASTs	ASTs are regularly inspected and maintained to minimize the potential for failure.
Spill Prevention and Response	
Spills and leaks	Spills and leaks are cleaned up immediately. Used absorbent material is disposed of appropriately. Only dry cleanup methods are used.

Drip pans	Drip pans are utilized as needed for leaking vehicles or equipment that is stored outdoors. Drip pans are inspected daily and emptied as needed.
Spill/overflow protection equipment	ASTs are only filled while facility personnel are supervising to ensure they are not overfilled.
Container labeling	All containers are plainly labeled to encourage proper handling and facilitate rapid response if spills or leaks occur. This includes the ASTs.
Containment	Hazardous wastes and materials are stored in appropriate secondary containment or in double walled tanks that are either indoors or under appropriate cover to minimize the potential for pollutants in the stormwater.
Spill kits	Spill kits are available throughout the facility near areas where spills may occur. Dry cleanup methods are used and used absorbents are disposed of through the HWSF.
Training	Employees at this facility are initially trained in Hazardous Waste Operations (HAZWOPER) (40 hour) and receive an annual (8 hour) refresher. Training includes spill response procedures and the process for further reporting if required.
Erosion and Sediment Control	
Gravel and vegetated areas	The areas surrounding the asphalt and concrete at the facility are either covered in gravel or vegetated to stabilize the area and minimize exposed soil.
Management of Runoff	
Infiltration	The areas surrounding the asphalt and concrete at the facility are either covered in gravel or vegetated to maximize infiltration of stormwater.

Employee Training and Education	
Training	Training of employees on the contents of the SWPPP will be conducted either through the EPO course or on-site by the SWPPPT. Training will include at a minimum: Overview of the SWPPP; Spill prevention and control; general good housekeeping practices; maintenance requirements; material management; location of SCMs and their maintenance requirements; proper procedures with respect to pollution prevention; when and how to conduct inspections, and record finding and take corrective actions. Additionally, personnel at this facility are HAZWOPER trained (40 hour initial and 8 hour annual refresher). Training records are kept by DPW-ENV and are available upon request.
Non-Stormwater Discharges	
Non-Stormwater Discharge Inspection (Appendix I)	At a minimum, all permitted facilities will be evaluated during the first year of the permit for non-stormwater discharges. Inspection forms are located in Appendix I. This evaluation is in addition to the MS4 permit required Illicit Discharge Detection and Elimination (IDDE) survey that is conducted annually.
Dust Generation and Vehicle Tracking of Industrial Materials	
Paved surfaces	The majority of the facility is paved, which minimizes dust generation. Vehicle traffic is primarily limited to the paved areas with few exceptions. Street sweeping is utilized as needed.
Sector Specific Non-Numeric Effluent Limits	
NA	There are no additional sector specific non-numeric effluent limits listed in Part 8.K of the permit.

Facility Inspections/Monitoring	
Conducted quarterly using the Routine Facility Inspection form (see Appendix I)	Inspections are focused on: areas where materials are stored or handled and that are exposed to stormwater.
Quarterly Visual Assessments (see Appendix J)	Monitoring focused on quality of stormwater discharging from the site.
Benchmark Monitoring (see Appendix L)	Monitoring required for benchmark parameters (see Industrial Activity Description above)
Impaired Waters Monitoring (see Appendix M)	Monitoring required due to discharge to an impaired water body (see Industrial Activity Description above)

5.0. SCHEDULE AND PROCEDURES

Table E-5 provides a schedule for the inspection and maintenance of the existing control measures at the site. This table will be updated as necessary to address any changes in SCMs.

Table E-5. Schedule for Inspection and Maintenance of Control Measures

Area/Control Measure	Task	Frequency
Litter control	Visually inspect facility and grounds for trash and debris. Dispose of materials in appropriate trash or recycling receptacles.	Weekly
Hazardous waste storage (indoors)	Inspect for leaks and overall condition.	Daily
Containment structures and berms	Inspect daily. Perform preventive maintenance as required.	Inspect daily / maintenance as needed
Roll-offs	Inspect for leaks and ensure cover is in place when not in use.	Inspect daily / maintenance as needed

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Appendix F – Range 121 (Area 23)

Location: Range 121

Site Coordinator: DPW-ENV - RCRA Program Manager

Phone: (719) 526-1686

1.0. INDUSTRIAL ACTIVITY DESCRIPTION

Range 121 (Area 23) is utilized for detonating unexploded ordnance, which is considered treatment of a reactive hazardous waste in accordance with Fort Carson's RCRA Permit (CO-17-08-29-01) and Subpart X of 40 CFR Part 264. When the need arises, the Explosive Ordnance Disposal (EOD) unit assigned to Fort Carson will utilize the range for controlled detonation of various explosive devices. The Directorate of Public Works (DPW) Environmental Division is responsible for overseeing compliance with permit requirements (both the MSGP and RCRA Permit) at this facility.

Activities at this facility fall under the SIC Code of HZ, under Sector K. Range 121 is classified as Subsector K1 (Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA), which requires the following Benchmark Monitoring:

Parameter	Benchmark	Units	Frequency	Duration
Ammonia	2.14	mg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Chemical Oxygen Demand (COD)	120	mg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Arsenic	150	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Cadmium*	4.7	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)

Total Recoverable Cyanide	22	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Lead*	262	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Mercury	1.4	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Selenium	1.5 (still / standing waters)	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)
Total Recoverable Silver*	20	µg/L	Quarterly	First and fourth year of permit coverage (unless exceedance detected)

* - denotes a parameter that is hardness dependent. Fort Carson has determined the hardness value to be +250 mg/L and the value included for the benchmark concentration has been derived from Part 8 of the permit.

This site also discharges to an impaired water body, therefore, the following impaired waters monitoring is also applicable:

Parameter	Frequency	Duration
E. Coli	Annually	First and fourth year of permit coverage

This facility is not a hazardous waste landfill, therefore numeric effluent monitoring in Part 8.K.7 does not apply. This facility does not use coal-tar sealants and is not subject to any indicator monitoring.

2.0. SITE MAP

This site drains to the south and west. A berm is in place along the northern portion of the site to minimize stormwater contact with the permitted detonation area. A trench system is in place on the south side of the permitted area to minimize run-off. The remainder of the stormwater sheet flows to a series of drainage ditches surrounding the area and along the gravel access road. The site discharges (Outfall 022) to a tributary to Young Hollow. A site map of the facility is presented in Figure F-1.

Figure F-1. Range 121 (Area 23)

The Site Map of Range 121 is included as Figure F-1 (Appendix Q). The map is considered to be confidential or restricted information. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. Area numbers have been kept from previous SWPPPs for consistency of documentation.

3.0. POTENTIAL POLLUTANT SOURCES

Table F-1 describes the potential pollutant sources at the site and their potential to pollute stormwater discharges. The site activities, materials, and physical features possibly impacting stormwater are identified in the table. For each potential pollutant source, a narrative assessment of its risk to stormwater quality is included. Visual observations are also included for all potential sources. Table F-1 will be updated as necessary to reflect any changes that occur at the site.

Table F-1. Potential Pollutant Sources

Potential Pollutant Source	Pollutants of Concern	Visual Observations	Contamination Potential
Open Detonation Area	Explosives constituents (see Hazardous Waste Permit for listing)	A berm is in place on the northern side of the detonation area to prevent run-on to the site. A trench is in place on the southern side of the detonation area to prevent run-off. The EOD unit is required to fill in any pits created by the detonation prior to closing the site.	Medium
Soil pile	Total Suspended Solids (TSS)	The soil pile is located near the Open Detonation area to fill depressions caused by the explosions. As part of the Subpart X permit, depressions are required to be filled after detonations occur. The soil pile is surrounded by wattles to minimize the discharge of sediment.	Medium

Scrap metal storage	Metals	Metal is collected on-site in a roll-off or other similar container. The container is replaced when full, and metal is sent off installation for recycling. The container is evaluated for integrity (holes), and replaced as needed.	Low
Ammunition Holding Area	Metals	Ammunition may be stored on site for a short period of time. When doing so, it is stored in a compliant container and not exposed to stormwater.	Low
Vehicle / Equipment Parking	Oil & Grease, TPH, fuel	Vehicles and equipment are only on site during detonation activities. Leaks or spills are addressed promptly. Drip pans are utilized when necessary.	Low

3.1. SIGNIFICANT SPILLS AND RELEASES

Significant spills and releases of petroleum and hazardous substances or other pollutants including unauthorized non-stormwater discharges that may adversely affect water quality that occurred in the past 3 years are presented in Table F-3. The table will be updated as necessary to record all significant spills or releases that occur. Spill reporting is done in accordance with the SPCC.

Table F-3. Significant Spills and Releases*

Date (month/day/year)	DESCRIPTION			RESPONSE PROCEDURES	
	Location	Type of Material	Quantity	Amount Recovered	Material Still Exposed?
No spills or releases have occurred at the site in the last 3 years.	NA	NA	NA	NA	NA

* Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

4.0. STORMWATER CONTROL MEASURES

Existing stormwater control measures at the site are identified in Table F-4 and will be implemented by site personnel. SCM selection and design considerations, as well as how they address the potential pollutant sources must be documented as described in the permit (Part 2.1 and 6.2.4).

In general, the following considerations were made for the SCMs at Range 121:

- Potential pollutants are either stored indoors or in appropriate containment to minimize contact with stormwater;
- Multiple SCMs are utilized to provide maximum efficiency on minimizing pollutants in the stormwater discharge;
- The existing type of pollutants and the potential to impact receiving water quality is indicated in Table F-1;
- The area surrounding the facility is impervious (gravel and vegetation) to allow for stormwater infiltration where possible;
- Stormwater sheet flows across gravel and vegetated areas to ditches to attenuate flow prior to discharging in to the receiving water. Berms and trenches are in place to minimize run-on and run-off;
- Treatment interceptors are infeasible due to the volume and nature of the runoff; and
- Range 121 is NOT within the 100 year flood plain and has not been impacted from previous major storm events, therefore emergency procedures are not required to be in place.

Descriptions of how the SCMs address the potential pollutant sources is provided in Table F-4 below.

Table F-4. Existing Control Measures

Existing Control Measure	Description
Minimize Exposure	
Indoor Storage and containment	Potential pollutants are stored indoors or with containment to minimize contact with stormwater.
Berming and trenching	A berm and trench system are in place to minimize run-on and run-off from the permitted detonation area, keeping any potential contaminants contained.

Good Housekeeping	
Storage of Materials	The soil stock pile is surrounded by wattles to minimize the discharge of sediment.
Scrap Metal Roll-off	The roll-off for scrap metal is regularly evaluated for holes/leaks.
General good housekeeping	All areas are maintained in a clean and orderly manner. Access to the facility is controlled. Regular inspections are conducted of the area to pick up trash and debris to minimize the potential for these items to be discharged.
Maintenance and Repair	
Inspections and preventive maintenance	The stormwater drainage system and SCMs are inspected at a minimum of quarterly, and maintenance occurs as needed. Additionally, the EOD and/or DPW-ENV staff verify after each use of the range that all depressions are filled on the surface of the detonation area, and that all debris has been picked up and appropriately containerized. Staff will submit service or work orders as necessary if they identify issues or concerns at the facility that must be addressed that are outside of internal capabilities.
Maintenance of non-structural control measures (Spill kits, training)	Spill kits are evaluated and re-stocked based on usage. EOD is responsible for bringing spill response material on-site when utilizing the range. All personnel utilizing the facility receive training on how to respond to spills, as well as their particular activities and how they may impact stormwater.
Spill Prevention and Response	
Spills and leaks	Spills and leaks are cleaned up immediately. Used absorbent material is disposed of appropriately. Only dry cleanup methods are used.
Drip pans	Drip pans are utilized as needed for leaking vehicles or equipment that is present during the usage of the range.

Containment	Hazardous materials do not remain on-site when the range is not in use. Temporary storage of ammunition is under cover in the ammunition holding area.
Spill kits	Spill kits are brought to the facility when it is in use. Dry cleanup methods are used and used absorbents are disposed of through the HWSF.
Training	Employees at this facility are initially trained in Hazardous Waste Operations (HAZWOPER) (40 hour) and receive an annual (8 hour) refresher. Training includes spill response procedures and the process for further reporting if required.
Erosion and Sediment Control	
Gravel and vegetated areas	The areas surrounding the facility are either covered in gravel or vegetated to stabilize the area and minimize exposed soil.
Rock check dams	The trench system has rock check dams installed to encourage sediment to settle out.
Management of Runoff	
Infiltration	The southern side of the detonation area discharges in to a trench to infiltrate any stormwater from the site.
Diversion	The northern side of the detonation area is equipped with a berm to divert stormwater around the detonation surface. Stormwater enters a series of ditches prior to discharging.
Employee Training and Education	
Training	Training of employees on the contents of the SWPPP will be conducted either through the EPO course or on-site by the SWPPPT. Training will include at a minimum: Overview of the SWPPP; Spill prevention and control; general good housekeeping practices; maintenance requirements; material management; location of SCMs and their maintenance requirements; proper procedures with

	respect to pollution prevention; when and how to conduct inspections, and record finding and take corrective actions. Additionally, personnel utilizing this facility are HAZWOPER trained (40 hour initial and 8 hour annual refresher). Training records are kept by DPW-ENV and are available upon request.
Non-Stormwater Discharges	
Non-Stormwater Discharge Inspection (Appendix I)	At a minimum, all permitted facilities will be evaluated during the first year of the permit for non-stormwater discharges. Inspection forms are located in Appendix I.
Dust Generation and Vehicle Tracking of Industrial Materials	
Gravel entrance/exit	The access point to the range has an entrance/exit pad of coarse rock to aid in minimizing track out. The range areas are managed by Range Control personnel.
Sector Specific Non-Numeric Effluent Limits	
NA	There are no additional sector specific non-numeric effluent limits listed in Part 8.K of the permit.
Facility Inspections/Monitoring	
Conducted quarterly using the Routine Facility Inspection form (see Appendix I)	Inspections are focused on: areas where materials are stored or handled and that are exposed to stormwater.
Quarterly Visual Assessments (see Appendix J)	Monitoring focused on quality of stormwater discharging from the site.
Benchmark Monitoring (see Appendix L)	Monitoring required for benchmark parameters (see Industrial Activity Description above)
Impaired Waters Monitoring (see Appendix M)	Monitoring required due to discharge to an impaired water body (see Industrial Activity Description above)

5.0. SCHEDULE AND PROCEDURES

Table F-5 provides a schedule for the inspection and maintenance of the existing control measures at the site. This table will be updated as necessary to address any changes in SCMs.

Table F-5. Schedule for Inspection and Maintenance of Control Measures

Area/Control Measure	Task	Frequency
Litter control	Visually inspect the range and grounds for trash and debris. Dispose of materials in appropriate trash or recycling receptacles.	Daily during use of the range
Berm and trench system	Inspect daily when in use. Perform preventive maintenance as required.	Inspect daily when in use/ maintenance as needed
Scrap metal roll-off	Inspect for leaks. Schedule for exchange when close to full.	Inspect daily when in use/ maintenance as needed
Track out pad	Inspect and revitalized as necessary if inundated with sediment.	Inspect daily when in use / maintenance as needed
Filter socks and rock check dams	Inspect and remove sediment when it has reached 2/3 the height of the sock or dam.	Inspect daily when in use / maintenance as needed

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Appendix G – Wastewater Treatment Plant (WWTP) (Area 26)

Location: Building 3900 (main office)

Site Coordinator: DPW-ENV, Water Program Manager

Phone: (719) 526-1730

1.0. INDUSTRIAL ACTIVITY DESCRIPTION

The Fort Carson Wastewater Treatment Plant (WWTP) (Area 26), is located on Specker Road near Gate 20. The WWTP treats primarily domestic wastewater with a design capacity of 4 million gallons per day. Fort Carson maintains a separate industrial wastewater collection system that sends non-domestic wastewater through one of two large scale Free Oil Separators, then to a series of holding ponds (2 each at 10.5 acre feet, and 2 each at 5.9 acre feet) with additional oil skimmers. After passing through this pretreatment system, the wastewater is then sent to the headworks of the WWTP to be treated with the domestic wastewater. The primary facility consists of the following treatment process: (in order of treatment) a head works with rough screening and grit/grease removal, an aerated equalization basin, an oxidation ditch, secondary clarifiers, sand filters, ultraviolet disinfection, and discharge to Clover Ditch or pumping to the golf course pond for reclaimed water use via irrigation. Solids generated during the process are taken off the secondary clarifiers and go through aerobic digestion and a belt filter press, and are then stacked on concrete sludge drying beds before they are hauled off-site for composting. The treatment process is either located under cover indoors, or is contained in an internal system that does not discharge to stormwater.

The WWTP has a separate National Pollutant Discharge Elimination System (NPDES) Permit (Permit #CO-0021181) issued by the EPA in December of 2011 for operation. The permit has been administratively continued since the expiration in 2016. Fort Carson submitted a renewal application, however, the EPA has not yet issued a new permit.

Activities at the WWTP fall under the SIC Code of TW, under Sector T. The WWTP is classified as Subsector T1 (Treatment Works), which requires the following Indicator Monitoring:

Parameter	Frequency	Duration
Chemical Oxygen Demand (COD)	Quarterly	Entirety of permit coverage
Total Suspended Solids (TSS)	Quarterly	Entirety of permit coverage
pH	Quarterly	Entirety of permit coverage

This site also discharges to an impaired water body, therefore, the following impaired waters monitoring is also applicable:

Parameter	Frequency	Duration
E. Coli	Annually	First and fourth year of permit coverage

Benchmark and effluent monitoring are not required at the WWTP under the MSGP. There are separate effluent monitoring requirements for compliance with the facility's operational permit (CO-0021181).

2.0. SITE MAP

Stormwater flows across the site either by sheet flow, to the stormwater infrastructure (inlets/pipes) or to ditches. The facility ultimately discharges to Clover Ditch (Outfall 093). A site map of the facility is presented in Figure G-1.

Figure G-1. WWTP (Area 26)

The Site Map for the WWTP is included as Figure G-1 (Appendix Q). The map is considered to be confidential or restricted information. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. Area numbers have been kept from previous SWPPPs for consistency of documentation.

3.0. POTENTIAL POLLUTANT SOURCES

Table G-1 describes the potential pollutant sources at the site and their potential to pollute stormwater discharges. The site activities, materials, and physical features possibly impacting stormwater are identified in the table. For each potential pollutant source, a narrative assessment of its risk to stormwater quality is included. Visual observations are also included for all potential sources. Table G-1 will be updated as necessary to reflect any changes that occur at the site.

Table G-1. Potential Pollutant Sources

Potential Pollutant Source	Pollutants of Concern	Visual Observations	Contamination Potential
Pretreatment process	Oil & Grease, TPH, fuel	Non-domestic wastewater goes through an indoor Free Oil Separator (FOS), then to a series of lined ponds with additional oil skimmers. The FOS and associated ASTs for the oil skimmers are monitored and emptied as required through appropriate	Medium

		methods in coordination with the DPW-ENV staff.	
Vehicles and Equipment	Oil & Grease, TPH, fuel	Leaks or spills are addressed promptly from any vehicles or equipment on-site.	Low
ASTs (used oil and diesel)	Oil & Grease, TPH, fuels	Two 2000 gallon double walled used oil ASTs are located at the small ponds of the pretreatment area for use with the oil-skimmers. Two 2000 gallon diesel ASTs are located at the main treatment plant for the emergency generators. The diesel ASTs have a high level alarm system for overfill protection. There are spill kits present throughout the facility.	Low
Sludge drying beds / transfer	Nitrate, Total Dissolved Solids (TDS), TSS, ammonia, fecal pathogens	Sludge drying beds have curbing to prevent the release of pollutants in to stormwater. Levels are managed appropriately to provide containment. During transfer to vehicles to haul off-site for disposal, any spillage is immediately cleaned up and hauled off.	Low
Grit, screenings, and solids handling	Nitrate, Total Dissolved Solids (TDS), TSS, ammonia, fecal pathogens	Grit screening occurs indoors. A roll-off is stored in this area indoors to collect grit/screenings and other debris, which is then hauled off-site for disposal. Exchange of the roll-off is monitored by facility	Low

		personnel and any spillage is immediately cleaned up.	
Septage / hauled waste receiving station	Nitrate, Total Dissolved Solids (TDS), TSS, ammonia, fecal pathogens, oil and grease, TPH	The facility is capable of receiving hauled waste or septage at either the primary facility or the industrial pretreatment area depending on the constituents of the wastewater. This process is coordinated with and closely monitored by facility personnel to ensure pollutants are not introduced to the wastewater treatment system. Access to the facility is controlled to prevent unauthorized dumping.	Low

3.1. SIGNIFICANT SPILLS AND RELEASES

Significant spills and releases of petroleum and hazardous substances or other pollutants including unauthorized non-stormwater discharges that may adversely affect water quality that occurred in the past 3 years are presented in Table G-3. The table will be updated as necessary to record all significant spills or releases that occur. Spill reporting is done in accordance with the SPCC.

Table G-3. Significant Spills and Releases*

Date (month/day/year)	DESCRIPTION			RESPONSE PROCEDURES	
	Location	Type of Material	Quantity	Amount Recovered	Material Still Exposed?
No spills or releases have occurred at the site in the last 3 years.	NA	NA	NA	NA	NA

* Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

4.0. STORMWATER CONTROL MEASURES

Existing stormwater control measures at the site are identified in Table G-4 and will be implemented by site personnel. SCM selection and design considerations, as well as how they address the potential pollutant sources must be documented as described in the permit (Part 2.1 and 6.2.4).

In general, the following considerations were made for the SCMs at the WWTP:

- Potential pollutants are either stored indoors or under cover with secondary containment as appropriate to minimize contact with stormwater;
- Multiple SCMs are utilized to provide maximum efficiency on minimizing pollutants in the stormwater discharge;
- The existing type of pollutants and the potential to impact receiving water quality is indicated in Table G-1;
- The areas surrounding the facility are primarily impervious (gravel and vegetation) to allow for stormwater infiltration where possible;
- Stormwater is sent through a series of gravel and vegetated ditches with check dams to attenuate flow prior to discharging in to the receiving water;
- Treatment interceptors are not feasible at the wastewater treatment plant due to the volume of runoff. Other SCMs are in place to minimize any contaminated discharge to stormwater. Any interior drains in the facility are routed to the headworks and through the wastewater treatment process; and
- The WWTP is NOT within the 100 year flood plain and has not been impacted from previous major storm events, therefore emergency procedures are not required to be in place.

Descriptions of how the SCMs address the potential pollutant sources is provided in Table G-4 below.

Table G-4. Existing Control Measures

Existing Control Measure	Description
Minimize Exposure	
Indoor Storage and containment	All hazardous materials are stored indoors or under cover with containment to minimize contact with stormwater.
Good Housekeeping	
Storage of Materials	Hazardous materials, diesel and used oil are stored in appropriate containers or in double walled tanks. This includes 2 - 2000 gallon double walled ASTs for used

	oil, and 2 - 2000 gallon double walled ASTs for diesel fuel.
Covered dumpsters	The dumpsters at the facility are covered to prevent contact with stormwater and are regularly evaluated for leaks.
General good housekeeping	All areas are maintained in a clean and orderly manner. Access to this facility is controlled. Regular inspections are conducted of the area to pick up trash and debris to minimize the potential for these items to be discharged.
Maintenance and Repair	
Inspections and preventive maintenance	The stormwater drainage system, SCMs, and other associated equipment are formally inspected at a minimum of quarterly, though the facility operators conduct daily checks of the wastewater treatment process and associated equipment and material storage. Maintenance occurs as needed. Additionally, the facility staff submit service or work orders as necessary if they identify issues or concerns at the facility that must be addressed but are outside of their capabilities.
Maintenance of non-structural control measures	Spill kits are evaluated and re-stocked based on Routine and facility level inspections. Facility personnel receive training on how to respond to spills, as well as their particular activities and how they may impact stormwater.
ASTs	ASTs are regularly inspected and maintained to minimize the potential for failure. The ASTs have a high level alarm system for overfill protection and a continuous release detection method for leaks.

Spill Prevention and Response	
Spills and leaks	Spills and leaks are cleaned up immediately. Used absorbent material is disposed of appropriately. Only dry cleanup methods are used.
Drip pans	Drip pans are utilized as needed for leaking vehicles or equipment that is stored outdoors. Drip pans are inspected daily and emptied as needed.
Spill/overflow protection equipment	The ASTs are equipped with an alarm for leak detection in the interstitial space and also an overfill alarm to minimize spills and leaks.
Container labeling	All hazardous material containers are plainly labeled to encourage proper handling and facilitate rapid response if spills or leaks occur. This includes the ASTs.
Containment	Hazardous materials are stored in appropriate secondary containment or in double walled tanks that are either indoors or under appropriate cover to minimize the potential for pollutants in the stormwater.
Spill kits	Spill kits are available throughout the facility near areas where spills may occur. Dry cleanup methods are used and used absorbents are disposed of through the HWSF.
Training	Employee training includes spill response procedures, to include who to contact at DPW-Environmental for further reporting if required.
Erosion and Sediment Control	
Gravel and vegetative cover	The areas surrounding the facility are covered in coarse gravel or vegetation to encourage infiltration and minimize erosion.
Rock check dams	Rock check dams are utilized in the open drainage channels to allow sediment to settle and dissipate the velocity of the discharge. Accumulated sediment is

	removed from the check dams when it has reached 1/3 of the height of the check dam.
Management of Runoff	
Infiltration	The areas surrounding the facility are covered in coarse gravel or vegetation to encourage infiltration and minimize runoff.
Diversion	The sludge drying beds are surrounded by curbing to provide containment for the sludge, minimizing contact with run-on from other parts of the facility.
Employee Training and Education	
Training	Training of employees will be conducted either through the EPO course or on-site by the SWPPPT. Training will include at a minimum: Overview of the SWPPP; Spill prevention and control; general good housekeeping practices; maintenance requirements; material management; location of SCMs and their maintenance requirements; proper procedures with respect to pollution prevention; and when and how to conduct inspections, record findings and take corrective actions. Additional training requirements are provided below in the Sector Specific non-numeric effluent limit requirements. Training records are kept by DPW-ENV and are available upon request.
Non-Stormwater Discharges	
Non-Stormwater Discharge Inspection (Appendix I)	At a minimum, all permitted facilities will be evaluated during the first year of the permit for non-stormwater discharges. Inspection forms are located in Appendix I. This evaluation is in addition to the MS4 permit required Illicit Discharge Detection and Elimination (IDDE) survey that is conducted annually.

Dust Generation and Vehicle Tracking of Industrial Materials	
Gravel, vegetated and paved surfaces	The facility is covered in gravel, vegetation, or pavement (to include access roads) which minimizes dust generation. Street sweeping is utilized as needed.
Sector Specific Non-Numeric Effluent Limits	
Covering exposed materials	The grit, screenings, and other solids generated from the wastewater treatment process are kept indoors, feeding in to a roll-off that is also kept indoors to minimize exposure to stormwater. The FOS is also indoors. Sludge is stored outdoors in drying beds with containment berms to minimize contact with stormwater and potential runoff.
Employee Training	Employees are trained on petroleum product management; process chemical management; spill prevention and controls; fueling procedures; general good housekeeping practices; and proper procedures for using fertilizers, herbicides, and/or pesticides.
Additional Inspection Requirements	The following areas will be inspected during Routine inspections: access roads; grit, screenings, and other solids handling, storage, or disposal areas; sludge drying beds; dried sludge piles; compost piles; and septage or hauled waste receiving stations.
Facility Inspections/Monitoring	
Conducted quarterly using the Routine Facility Inspection form (see Appendix I)	Inspections are focused on: areas where materials are stored or handled and that are exposed to stormwater.
Quarterly Visual Assessments (see Appendix J)	Monitoring focused on quality of stormwater discharging from the site.
Indicator Monitoring (see Appendix K)	Monitoring required for indicator parameters (see Industrial Activity Description above)
Impaired Waters Monitoring (see Appendix M)	Monitoring required due to discharge to an impaired water body (see Industrial Activity Description above)

5.0. SCHEDULE AND PROCEDURES

Table G-5 provides a schedule for the inspection and maintenance of the existing control measures at the site. This table will be updated as necessary to address any changes in SCMs.

Table G-5. Schedule for Inspection and Maintenance of Control Measures

Area/Control Measure	Task	Frequency
Material Storage	Visually inspect the ASTs and hazardous material storage areas. Inspect spill kits for condition and required supplies.	Daily
Litter control	Visually inspect facility and grounds for trash and debris. Dispose of materials in appropriate trash or recycling receptacles.	Daily
Treatment / pretreatment process	Conduct walk-through of all areas associated with the pretreatment or treatment process, to include sludge drying beds.	Daily
Dumpsters / roll-offs	Inspect for leaks and overall condition. Increase frequency of trash pickup as needed.	Weekly

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Appendix H – Arrival and Departure Airfield Control Group (ADACG) (Area 17)

Location: Building 7330

Site Coordinator: Army Field Support Battalion (AFSBn) - Transportation Specialist

Phone: (719) 526-1161

1.0. INDUSTRIAL ACTIVITY DESCRIPTION

The Arrival and Departure Airfield Control Group (ADACG) (Area 17) is located near the Colorado Springs Municipal Airport and is run by the AFSBn. The ADACG consists of three buildings, an aircraft apron, and parking for personal vehicles, buses, and military vehicles. An outdoor area of the facility will be used for aircraft fueling, deicing, and loading; however, not all of these activities are conducted by the ADACG. Some fueling and loading may be conducted by Colorado Springs Municipal Airport, Peterson Air Force Base (AFB), or the Jet Center based on the equipment use. Deicing activities are conducted by the Colorado Springs Municipal Airport. Indoor activities not exposed to stormwater include maintenance and storage of Ground Support Equipment (GSE), and equipment and machinery storage. GSE is required to be stored indoors or with proper control measures if stored outdoors. The site is used for deployments/redeployments associated with military action (examples are a terrorist or natural disaster event).

Activities at the ADACG are performed to support the rapid air deployment/redeployment of contingency task forces assigned to Fort Carson or supported by the installation. The facility will also be used to support training exercises and day-to-day operations, ensuring maximum readiness and real-time movement of personnel and equipment. Training activities will reflect real life activities; thus, they will not be described separately. Occasional indoor training, such as parachute packing classes, will be held outdoors when other facilities are not available.

The ADACG is a tenant to Colorado Springs Municipal Airport. This SWPPP has been coordinated with the Airport's comprehensive SWPPP. The ADACG and Fort Carson are responsible for implementing control measures related to their activities. Colorado Springs Municipal Airport is responsible for deicing operations and, accordingly, MSGP requirements related to deicing, including monitoring and increased inspections occurring during deicing season. The ADACG Environmental Coordinator tracks the quantities of deicer applied by the Colorado Springs Municipal Airport used on aircraft associated with ADACG operations.

Activities at the ADACG fall under the SIC Code of 4512, under Sector S. The ADACG is classified as Subsector S1 (Air Transportation), which requires the following Indicator Monitoring:

Parameter	Frequency	Duration
Polycyclic Aromatic Hydrocarbons (PAHs)*	Bi-annually	First and fourth year of permit coverage

* - Polycyclic Aromatic Hydrocarbons (PAHs). Monitoring is required for the 16 individual PAHs identified at Appendix A to 40 CFR Part 423: naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, indeno[1,2,3-c,d]pyrene, and dibenz[a,h]anthracene. Samples must be analyzed using EPA Method 625.1, or EPA Method 610/Standard Method 6440B if preferred by the operator, consistent with 40 CFR 136 analytical methods.

Benchmark and impaired waters monitoring are not required at the ADACG. Although Sector S1 requires numeric effluent limit monitoring based on the number of aircraft departures, this activity is conducted by the Colorado Springs Municipal Airport as they are responsible for deicing and have the overall operational control of the airport.

2.0. SITE MAP

Stormwater flows across the site either by sheet flow or to ditches or stormwater inlets and piping to the south and west of the site. Additionally, there is a spill control structure utilized during fueling operations near the southern edge of the site. The site discharges (Outfall 053) and travels through a series of culverts and open stormwater ditches (City of Colorado Springs MS4) to Big Johnson Reservoir. A site map of the facility is presented in Figure H-1.

Figure H-1. ADACG (Area 17)

The Site Map for the ADACG is included as Figure H-1 (Appendix Q). The map is considered to be confidential or restricted information. Appendix Q will be made available upon request through the Stormwater Program Manager after conferring with the Installation Security Office. Area numbers have been kept from previous SWPPPs for consistency of documentation.

3.0. POTENTIAL POLLUTANT SOURCES

Table H-1 describes the potential pollutant sources at the site and their potential to pollute stormwater discharges. The site activities, materials, and physical features possibly impacting stormwater are identified in the table. For each potential pollutant source, a narrative assessment of its risk to stormwater quality is included. Visual observations are also included for all potential sources. Table H-1 will be updated as necessary to reflect any changes that occur at the site. Deicing is the responsibility of the Colorado Springs Municipal Airport, therefore, it is not discussed here as a potential pollutant source for the ADACG.

Table H-1. Potential Pollutant Sources

Potential Pollutant Source	Pollutants of Concern	Visual Observations	Contamination Potential
Fueling operations	Jet fuel, fuel additives, oils, lubricants, heavy metals	No evidence of staining or discharges on the ramp. SCMs to control potential releases are continually evaluated for effectiveness. Fueling is conducted by the Colorado Springs Municipal Airport.	Medium
Aircraft servicing	Oils, hydraulic fluid, fuel, lavatory waste	No evidence of staining or discharges on the ramp.	Medium
Equipment (loading/unloading)	Oils, hydraulic fluid, fuel	Leaks or spills are addressed promptly from any vehicles or equipment on-site.	Low
Ground Support Equipment (GSE) (storage, maintenance, washing)	Oils, hydraulic fluid, fuel, metals, TSS	Leaks or spills are addressed promptly. Drip pans are utilized as necessary. Maintenance and storage is indoors wherever possible. Washing occurs on the designated washrack outfitted with an oil water separator that discharges to the sanitary sewer.	Low

POL Storage	Oil and Grease, TPH, fuel	POL is stored indoors or under cover on secondary containment to minimize the potential for spills. Spill kits are available if needed.	Medium

3.1. SIGNIFICANT SPILLS AND RELEASES

Significant spills and releases of petroleum and hazardous substances or other pollutants including unauthorized non-stormwater discharges that may adversely affect water quality that occurred in the past 3 years are presented in Table H-3. The table will be updated as necessary to record all significant spills or releases that occur. Spill reporting is done in accordance with the SPCC.

Table H-3. Significant Spills and Releases*

Date (month/day/year)	DESCRIPTION			RESPONSE PROCEDURES	
	Location	Type of Material	Quantity	Amount Recovered	Material Still Exposed?
No spills or releases have occurred at the site in the last 3 years.	NA	NA	NA	NA	NA

* Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

4.0. STORMWATER CONTROL MEASURES

Existing stormwater control measures at the site are identified in Table H-4 and will be implemented by site personnel. SCM selection and design considerations, as well as how they address the potential pollutant sources must be documented as described in the permit (Part 2.1 and 6.2.4).

In general, the following considerations were made for the SCMs at the ADACG:

- Potential pollutants are either stored indoors or under cover with secondary containment as appropriate to minimize contact with stormwater;

- Multiple SCMs are utilized to provide maximum efficiency on minimizing pollutants in the stormwater discharge;
- The existing type of pollutants and the potential to impact receiving water quality is indicated in Table H-1;
- The areas surrounding the facility are primarily impervious (gravel and vegetation) to allow for stormwater infiltration where possible;
- Stormwater is sent through a series of gravel and vegetated ditches with energy dissipators to attenuate flow prior to discharging in to the receiving water;
- Treatment interceptors are infeasible due to the volume and nature of the runoff; and
- The ADACG is NOT within the 100 year flood plain and has not been impacted from previous major storm events, therefore emergency procedures are not required to be in place.

Descriptions of how the SCMs address the potential pollutant sources is provided in Table H-4 below.

Table H-4. Existing Control Measures

Existing Control Measure	Description
Minimize Exposure	
Indoor Storage and containment	All hazardous materials are stored indoors or under cover with containment to minimize contact with stormwater.
Cleaning operations	Cleaning operations are conducted outdoors. The washrack is equipped with an oil water separator that leads to the sanitary sewer.
Indoor storage of GSE	GSE is stored indoors where possible to minimize the potential for discharges to stormwater.
Good Housekeeping	
Storage of Materials	Hazardous materials are stored indoors and in appropriate containers with containment.
Covered dumpsters	The dumpsters at the facility are covered to prevent contact with stormwater and are regularly evaluated for leaks.
General good housekeeping	All areas are maintained in a clean and orderly manner. Access to this facility is controlled. Regular

	inspections are conducted of the area to pick up trash and debris to minimize the potential for these items to be discharged.
Maintenance and Repair	
Inspections and preventive maintenance	The stormwater drainage system, SCMs, and other associated equipment are formally inspected at a minimum of quarterly, though the facility operators conduct checks when the facility is active. Maintenance occurs as needed. Additionally, the facility staff submit service or work orders as necessary if they identify issues or concerns at the facility that must be addressed but are outside of their capabilities.
Maintenance of non-structural control measures	Spill kits are evaluated and re-stocked based on Routine and facility level inspections. Facility personnel receive training on how to respond to spills, as well as their particular activities and how they may impact stormwater.
Spill Prevention and Response	
Spills and leaks	Spills and leaks are cleaned up immediately. Used absorbent material is disposed of appropriately. Only dry cleanup methods are used.
Drip pans	Drip pans are utilized as needed for leaking vehicles or equipment that is stored outdoors. Drip pans are inspected daily and emptied as needed.
Container labeling	All hazardous material containers are plainly labeled to encourage proper handling and facilitate rapid response if spills or leaks occur.
Containment	Hazardous materials are stored in appropriate secondary containment that are indoors to minimize the potential for pollutants in the stormwater.
Spill kits	Spill kits are available throughout the facility near areas where spills may occur. Dry cleanup methods are used and used absorbents are disposed of through the HWSF.

Training	Employee training includes spill response procedures, to include who to contact at DPW-Environmental for further reporting if required.
Fueling area containment	The fueling area drains to a concrete containment structure. The discharge valve for this area is closed while fueling is conducted to facilitate clean up if a spill were to occur. Once fueling operations are complete, the containment structure is evaluated for spill residue, cleaned, and the valve re-opened to allow stormwater to pass through when not in use.
Erosion and Sediment Control	
Gravel and vegetative cover	The areas surrounding the facility are covered in coarse gravel or vegetation to encourage infiltration and minimize erosion.
Rock check dams	Rock check dams are utilized on the south side of the parking lot to allow sediment to settle and dissipate the velocity of the discharge. Accumulated sediment is removed from the check dams when it has reached 1/3 of the height of the check dam.
Management of Runoff	
Infiltration	The areas surrounding the facility are covered in coarse gravel or vegetation to encourage infiltration and minimize runoff.
Fueling area containment	The fueling area drains to a concrete containment structure. The discharge valve for this area is closed while fueling is conducted to facilitate clean up if a spill were to occur. Once fueling operations are complete, the containment structure is evaluated for spill residue, cleaned, and the valve re-opened to allow stormwater to pass through when not in use.
Employee Training and Education	
Training	Training of employees will be conducted either through the EPO course or on-site by the SWPPPT.

	Training will include at a minimum: Overview of the SWPPP; Spill prevention and control; general good housekeeping practices; maintenance requirements; material management; location of SCMs and their maintenance requirements; proper procedures with respect to pollution prevention; and when and how to conduct inspections, record findings and take corrective actions. Training records are kept by DPW-ENV and are available upon request.
Non-Stormwater Discharges	
Non-Stormwater Discharge Inspection (Appendix I)	At a minimum, all permitted facilities will be evaluated during the first year of the permit for non-stormwater discharges. Inspection forms are located in Appendix I. This evaluation is in addition to the MS4 permit required Illicit Discharge Detection and Elimination (IDDE) survey that is conducted annually.
Dust Generation and Vehicle Tracking of Industrial Materials	
Gravel, vegetated and paved surfaces	The facility is covered in gravel, vegetation, or pavement (to include access roads) which minimizes dust generation. Street sweeping is utilized as needed.
Sector Specific Non-Numeric Effluent Limits	
GSE Maintenance Areas	Maintenance for GSE is conducted indoors whenever possible to minimize the exposure to stormwater. Dry cleanup methods are used for any spills.
GSE Cleaning Areas	Cleaning for GSE is conducted outdoors at a designated washrack. When in use, the washrack discharges to an oil water separator and then to the sanitary sewer.
GSE Storage Areas	GSE is stored indoors whenever possible. Drip pans are utilized for leaking equipment.

Material Storage Areas	All hazardous materials are stored indoors and in appropriate containment to minimize potential impacts to stormwater.
Aircraft Refueling	The designated fueling area drains to a concrete containment structure. The discharge valve for this area is closed while fueling is conducted to facilitate clean up if a spill were to occur. Once fueling operations are complete, the containment structure is evaluated for spill residue, cleaned, and the valve re-opened to allow stormwater to pass through when not in use.
Deicing activities	Deicing and associated monitoring is the responsibility of the Colorado Springs Municipal Airport. The ADACG keeps track of quantities of deicer that are utilized for aircraft at the ADACG.
Additional Inspection Requirements	ADACG personnel are present during deicing conducted by the Colorado Springs Municipal Airport, however, would not be responsible for monthly inspections. This is the responsibility of the airport as they are the only entity that conducts deicing operations for aircraft and the runway areas.
Facility Inspections/Monitoring	
Conducted quarterly using the Routine Facility Inspection form (see Appendix I)	Inspections are focused on: areas where materials are stored or handled and that are exposed to stormwater.
Quarterly Visual Assessments (see Appendix J)	Monitoring focused on quality of stormwater discharging from the site.
Indicator Monitoring (see Appendix K)	Monitoring required for indicator parameters (see Industrial Activity Description above)

5.0. SCHEDULE

Table H-5 provides a schedule for the inspection and maintenance of the existing control measures at the site. This table will be updated as necessary to address any changes in SCMs.

Table H-5. Schedule for Inspection and Maintenance of Control Measures

Area/Control Measure	Task	Frequency
Fueling area containment	Visually inspect containment area and valves prior to use and after use. Clean up any spill residue immediately using dry methods.	Daily when in use / maintenance as needed
Pavement cleaning	Sweep paved areas if needed to minimize debris.	As needed
Structural control measures (rock check dams, swales)	Preventive maintenance	Inspect quarterly / maintenance as needed
Material Storage	Visually inspect the hazardous material storage areas. Inspect spill kits for condition and required supplies.	Inspect quarterly / maintenance as needed
Litter control	Visually inspect facility and grounds for trash and debris. Dispose of materials in appropriate trash or recycling receptacles.	Daily when in use
Dumpsters	Inspect for leaks and overall condition. Increase frequency of trash pickup as needed.	Weekly
Washrack / oil water separator	Preventive maintenance	Inspect quarterly / maintenance as needed

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Appendix I – Routine Facility Inspections

Records are kept with the Stormwater Program Manager

Stormwater Industrial Routine Facility Inspection Report

General Information			
Facility Name			
NPDES Tracking No.			
Date of Inspection		**Start/End Time**	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			

Weather Information

Weather at time of this inspection?
❑ Clear ❑Cloudy ❑ Rain ❑ Sleet ❑ Fog ❑ Snow ❑ High Winds
❑ Other: Temperature:_____

Have any previously unidentified discharges of pollutants occurred since the last inspection? ❑Yes ❑No
If yes, describe:

Are there any discharges occurring at the time of inspection? ❑Yes ❑No
If yes, describe:

Control Measures

- *Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.*
- *Identify if maintenance or corrective action is needed.*
  - *If corrective action is needed, fill out a separate Corrective Action Form*
  - *If maintenance is required, keep a log of the maintenance record with the SWPPP*

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	SWPPP Revision Required?*	Maintenance or Corrective Action Needed and Notes
1		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
2		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
3		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
4		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
5		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
6		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	SWPPP Revision Required?*	Maintenance or Corrective Action Needed and Notes
7		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
8		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
9		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	
10		❑Yes ❑No	❑ Maintenance ❑ Repair ❑ Replacement	❑Yes ❑No	

Areas of Industrial Materials or Activities Exposed to Stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility that are potential pollutant sources. Identify if maintenance or corrective action is needed. If corrective action is needed, fill out a separate Corrective Action Form. If maintenance is required, keep a log of the maintenance record with the SWPPP.

	Area / Activity	Inspected?	Controls Adequate (appropriate, effective and operating)?	SWPP Revision Required?*	Maintenance or Corrective Action Needed and Notes
1	**Material loading/unloading and storage areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
2	**Equipment operations & maintenance areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
3	**Fueling areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
4	**Vehicle and equipment washing areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
5	**Waste handling and disposal areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
6	**Erodible areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
7	**Non-stormwater / illicit connections**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
8	**Salt storage piles or piles containing salt**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
9	**Dust generation and vehicle tracking**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	

	Area / Activity	Inspected?	Controls Adequate (appropriate, effective and operating)?	SWPP Revision Required?*	Maintenance or Corrective Action Needed and Notes
10	**Processing areas**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
11	**Areas where industrial activity has taken place in the past and significant materials are exposed to stormwater**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
12	**Immediate access roads and rail lines used or traveled by carriers of raw/ waste materials, manufactured products, or by products used or created by the facility.**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
13	**General Housekeeping**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	
14	**Spill kits**	❑Yes ❑No ❑ N/A	❑Yes ❑No	❑Yes ❑No	

SWPPP Revision Explanation

If a SWPPP revision is necessary, explain why or why not in the space below. SWPPP revisions may not be necessary if a deficiency is minor and can be easily during the inspection or immediately after. Revisions may be necessary if a deficiency is major or due to a systemic flaw.

* SWPPP revisions needed must be made within 14 calendar days of completing corrective action work.*

Discharge Points

At discharge points, describe any evidence of, or the potential for, pollutants entering the drainage system. Also describe observations regarding the physical condition of and around all outfalls, including any flow dissipation devices, and evidence of pollutants in discharges and/or the receiving water. Identify if any corrective action is needed.

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

Notes

Use this space for any additional notes or observations from the inspection:

INSPECTOR INFORMATION

Print name and title: _____

Signature: _____ **Date:** _____

CERTIFICATION STATEMENT
(Only to be signed by Signatory Authority)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: _____

Signature: _____ **Date:** _____

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Appendix J – Quarterly Visual Assessments

Records are kept with the Stormwater Program Manager

MSGP Quarterly Visual Assessment Form

Name of Facility:	
Outfall Number:	
NPDES Tracking Number:	
Person(s)/Title(s) collecting sample:	
Person(s)/Title(s) examining sample:	
Date & Time Discharge Began:	
Date & Time Sample Collected:	
Date & Time Sample Examined:	
Duration of Storm Event (hours):	

Substantially Identical Discharge Point? Yes ☐ No ☐

Substitute Sample? ☐ No ☐ Yes (Identify quarter/year of originally scheduled sample): _____

Nature of Discharge: ☐ Rainfall ☐ Snowmelt If Rainfall, enter amount: _____

Previous Storm Ended >72 hours Before This Storm?: ☐ Yes ☐ No* (explain): _____

Time (days) since last measurable storm event:

Unable to sample within first 30 minutes of discharge?: ☐ No ☐ Yes* (explain):

Pollutants Observed

Color: ☐ None ☐ Other (describe)_____

Odor: ☐ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas ☐ Solvents

☐ Other (describe): _____

Clarity: ☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids: ☐ No ☐ Yes (describe):_____

Settled Solids**: ☐ No ☐ Yes (describe):_____

Suspended Solids: ☐ No ☐ Yes (describe):_____

Foam (gently shake sample): ☐ No ☐ Yes (describe):_____

Oil Sheen: ☐ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (describe):_____

Other Obvious Indicators of Stormwater Pollution: ☐ No ☐ Yes (describe):_____

*The 72 hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

**Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Identify probable sources of any observed stormwater contamination. Also, include any additional comments, descriptions of pictures taken, and any corrective actions necessary below (attach additional sheets as necessary).

Inspectors Name:	Title:
Signature:	Date:

Certification Statement (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

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Appendix K – Indicator Monitoring

Records are kept with the Stormwater Program Manager

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Appendix L – Benchmark Monitoring

Records are kept with the Stormwater Program Manager

Sector Code	Site ID	Method	Analyte	Sample Date	Q1 2015		Q2 2015		Q3 2015		Q4 2015		2009 YTD Average	2011 YTD Average	2012 YTD Average	2013 YTD Average	2015 YTD Average	Benchmark Monitoring Concentration (2000 MSGP)	Analyte	2015 Average > QBM
				Lab																
				Units	Result	Lab Flag	Result	Lab Flag	Result	Lab Flag	Result	Lab Flag								
N	DRMO		Chemical Oxyg	mg/L	29	F1	11	J	95	F1			[illegible]	ns	410.0	[illegible]	**45.000**	120	Chemical Oxyg	--
			Aluminum	mg/L	2.4	F1	4.3	F1	1.8	--			[illegible]	4.47	11.2533	4.557	**2.833**	0.75	Aluminum	Bust
			Copper	mg/L	0.0067	J	0.02	--	0.011	J			[illegible]	[illegible]	0.0435	0.023	**0.013**	0.0636	Copper	--
			Iron	mg/L	2.5	F1	6.4	B	2.5	--			[illegible]	[illegible]	14.2	5.743	**3.800**	1	Iron	Bust
			Lead	mg/L	0.0079	J	0.0026	--	0.013	--			[illegible]	ns	0.0729	0.026	**0.008**	0.0816	Lead	--
			Zinc	mg/L	0.23	--	0.73	--	0.54	--			[illegible]	[illegible]	2.0933	0.878	**0.500**	0.117	Zinc	Bust
			Total Suspende	mg/L	58	--	440	--	140	--			[illegible]	390	670.0	263.333	**212.667**	100	Total Suspende	Bust
	BLDG 155		Chemical Oxyg	mg/L					250	--			[illegible]	ns	145.8	117.333	**250.000**	120	Chemical Oxyg	Bust
			Aluminum	mg/L					9.7	--			[illegible]	23.03	23.8000	15.503	**9.700**	0.75	Aluminum	Bust
			Copper	mg/L					0.017	--			[illegible]	[illegible]	0.0476	[illegible]	**0.017**	0.0636	Copper	--
			Iron	mg/L					6.9	--			[illegible]	38.9	29.4	18.087	**6.900**	1	Iron	Bust
			Lead	mg/L					0.0058	--			[illegible]	ns	0.0535	0.040	**0.006**	0.0816	Lead	--
			Zinc	mg/L					0.063	--			[illegible]	ns	0.2149	[illegible]	**0.063**	0.117	Zinc	--
			Total Suspende	mg/L					130	--			[illegible]	1337	636.7	580.000	**130.000**	100	Total Suspende	Bust
	BLDG 9732		Chemical Oxyg	mg/L	16	J	17	J					[illegible]	ns	193.3	111.000	**16.500**	120	Chemical Oxyg	--
			Aluminum	mg/L	0.24	--	38	--					[illegible]	10.87	14.5900	[illegible]	**19.120**	0.75	Aluminum	Bust
			Copper	mg/L	0.012	J	0.11	--					[illegible]	[illegible]	0.0489	[illegible]	**0.061**	0.0636	Copper	--
			Iron	mg/L	0.21	--	46	B					[illegible]	[illegible]	12.7	[illegible]	**23.105**	1	Iron	Bust
			Lead	mg/L	0.0034	J	0.15	--					[illegible]	[illegible]	0.1923	0.190	**0.077**	0.0816	Lead	--
			Zinc	mg/L	0.013	J	0.71	--					[illegible]	0.2600	0.3317	[illegible]	**0.362**	0.117	Zinc	Bust
			Total Suspende	mg/L	36	--	2500	--					[illegible]	686	1730.0	1290.000	**1268.000**	100	Total Suspende	Bust
K	R121		Ammonia	mg/L			0.54	--					[illegible]	ns	ns	ns	**0.540**	19	Ammonia	--
			Chemical Oxyg	mg/L			32	--					[illegible]	ns	ns	ns	**32.000**	120	Chemical Oxyg	--
			Silver	mg/L			0.00093	U					[illegible]	ns	ns	ns	**0.001**	0.0318	Silver	--
			Arsenic	mg/L			0.032	--					[illegible]	[illegible]	[illegible]	ns	**0.032**	0.16854	Arsenic	--
			Cadmium	mg/L			0.0039	J					[illegible]	ns	[illegible]	ns	**0.004**	0.0159	Cadmium	--
			Magnesium	mg/L			13	--					[illegible]	ns	ns	ns	**13.000**	0.0636	Magnesium	Bust
			Lead	mg/L			0.1	--					[illegible]	ns	ns	ns	**0.100**	0.0816	Lead	Bust
			Selenium	mg/L			0.0068	J					[illegible]	ns	ns	ns	**0.007**	0.2385	Selenium	--
			Mercury	mg/L			0.00014	J B					[illegible]	ns	ns	ns	**0.000**	2.4	Mercury	--
			Cyanide	mg/L			0.0037	J B					[illegible]	ns	ns	ns	**0.004**	0.0636	Cyanide	--

Data not exceeding benchmarks: After collection of 4 quarterly samples, if the average of the 4 monitoring values for any parameter does not exceed the benchmark, you have fulfilled your monitoring requirements for that parameter for the permit term. For averaging purposes, use a value of zero for any individual sample parameter, analyzed using procedures consistent with Part 6.2.1.1, which is determined to be less than the method detection limit. For sample values that fall between the method detection level and the quantitation limit (i.e., a confirmed detection but below the level that can be reliably quantified), use a value halfway between zero and the quantitation limit.

2016 Multi-Sector General Permit Analytical Sampling (NPDES Permit COR05F003) NetDMR Summary Report

Sector N - Scrap Recycling and Waste Recycling Facilities.

	Analyte							
	E. Coli	COD	TSS	Aluminum	Copper	Iron	Lead	Zinc
	mpn/100mL	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L
Benchmark	100	120	100	0.75	33.2	1	0.262	0.26

Outfall 0010 - Building 400 (Recycle Center)

1 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY16		**200**	**210**	**5.3**	19	**6.3**	0.011	0.26
3 QTR, CY16	1	60	43	**2.1**	5.7	**2.3**	0.0026	0.066
4 QTR, CY16		25	120	**800**	5.4	1	0.0028	0.08
Annual Average	1	95	**124**	**269**	10	**3.2**	0.005	0.14

Outfall 0011 - Building 343 (DLADS Warehouse)

1 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY16		30	26	**0.78**	4.2	0.87	0.0034	0.12
3 QTR, CY16	<1	38	18	0.16	1.2	0.19	0.00095	0.25
4 QTR, CY16		**440**	**350**	**2.4**	18	**3.9**	0.0028	0.028
Annual Average	<1	**169**	**131**	**1.1**	7.8	**1.7**	0.0024	0.13

Outfall 0056 - Building 155 (Recycle Facility)

1 QTR, CY16		48	22	0.51	5.8	0.58	0.0026	0.0075
2 QTR, CY16		48	5.2	0.12	5.4	0.24	0.0026	0.0045
3 QTR, CY16	<1	290	87	**43**	**61**	**54**	0.054	**0.3**
4 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
Annual Average	<1	129	38	**15**	24	**18**	0.020	0.10

Outfall 0063 - Building 9732 (Ammunition Residue Yard)

1 QTR, CY16		20	19	**1.2**	7.2	**1.1**	0.0069	0.028
2 QTR, CY16		51	**380**	**12**	**38**	**15**	0.047	**0.27**
3 QTR, CY16	40	4.1	18	**5.5**	17	6.3	0.016	0.093
4 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
Annual Average	40	25	**139**	**6.2**	20.7	**7.5**	0.023	0.13

Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities.

	Analyte										
	E. Coli	COD	Ammonia	Cyanide	Magnesium	Arsenic	Cadmium	Lead	Mercury	Selenium	Silver
	mpn/100mL	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L
Reporting Limit	100	120	2.14	22	64	0.15	5.3	0.262	1.40	5.0	18.3

Outfall 0022 - Range 121 (Demolition Range)

1 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
3 QTR, CY16	<1	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
4 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
Annual Average	<1	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Outfall 0094 - Building 9748 (Hazardous Waste Storage Facility)

1 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY16		No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
3 QTR, CY16	<1	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
4 QTR, CY16	<1	77	0.3	4	**2600**	0.0016	0.44	0.042	0.043	Non-Detect	0.32
Annual Average	<1	77	0.26	4	**2600**	0.0016	0.44	0.042	0.043	No Data	0.32

Key

mpn/100mL	Most probable number per 100 milliliters (Colony Count)
mg/L	miligram per liter
µg/L	microgram per liter
E. Coli	Escherichia Coli - a fecal coliform bacteria
COD	Chemical Oxygen Demand (Test of organic matter in sample)
TSS	Total Suspended Solids (Test of material 1 micron and larger in the sample)

2017 Multi-Sector General Permit Analytical Sampling (NPDES Permit COR05F003) NetDMR Summary Report

Sector N - Scrap Recycling and Waste Recycling Facilities.

	Analyte							
	E. Coli	COD	TSS	Aluminum	Copper	Iron	Lead	Zinc
	mpn/100mL	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L
Benchmark	100	120	100	0.75	33.2	1	0.262	0.26

Outfall 0010 - Building 400 (Recycle Center)

1 QTR, CY16	0	51	5.2	0.13	3.6	0.16	0.00041	0.025
2 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
3 QTR, CY16	0	22	69	1.1	3.4	1.1	0.0015	0.025
4 QTR, CY16	0	140	6.4	0.14	7.7	0.16	0.00055	0.058
Annual Average	0	71	27	0	5	0.47	0.001	0.04

Outfall 0011 - Building 343 (DLADS Warehouse)

1 QTR, CY16	0	85	33	0.52	4.5	0.67	0.0038	0.28
2 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
3 QTR, CY16	0	140	710	7.6	34	12	0.036	1.6
4 QTR, CY16	0	80	10	0.17	7.2	0.27	0.0028	1
Annual Average	0	102	251	2.8	15.2	4.3	0.0142	0.96

Outfall 0056 - Building 155 (Recycle Facility)

1 QTR, CY16	0	120	56	0.89	12	1.2	0.0016	0.013
2 QTR, CY16	0	390	68	2.5	60	2.7	0.0066	0.2
3 QTR, CY16	0	130	1400	29	41	35	0.033	0.18
4 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Annual Average	0	213	508	11	38	13	0.014	0.13

Outfall 0063 - Building 9732 (Ammunition Residue Yard)

1 QTR, CY16	0	29	270	11	36	14	0.094	0.27
2 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
3 QTR, CY16	0	77	1100	3.3	20	3.6	0.015	0.069
4 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Annual Average	0	53	685	7.2	28.0	8.8	0.055	0.17

Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities.

	Analyte										
	E. Coli	COD	Ammonia	Cyanide	Magnesium	Arsenic	Cadmium	Lead	Mercury	Selenium	Silver
	mpn/100mL	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L
Reporting Limit	100	120	2.14	22	64	0.15	5.3	0.262	1.40	5.0	18.3

Outfall 0022 - Range 121 (Demolition Range)

1 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2 QTR, CY16	0	41	0.53	17	11000	0.014	0.8	0.022	0.045	2	0.15
3 QTR, CY16	0	20	0.022	2.8	16000	0.02	3.9	0.085	0.062	2.3	0.52
4 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Annual Average	0	30.5	0.276	9.9	13500	0.017	2.35	0.0535	0.0535	2.15	0.335

Outfall 0094 - Building 9748 (Hazardous Waste Storage Facility)

1 QTR, CY16	0	39	0.024	Non-Detect	300	0.0011	0.056	0.002	Non-Detect	Non-Detect	0.033
2 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
3 QTR, CY16	0	8.9	0.022	6.2	760	0.0005	0.24	0.00035	0.027	1	0.02
4 QTR, CY16	0	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Annual Average	0	23.95	0.023	6.2	530	0.0008	0.148	0.001175	0.027	1	0.0265

Key

mpn/100mL	Most probable number per 100 milliliters (Colony Count)
mg/L	miligram per liter
µg/L	microgram per liter
E. Coli	Escherichia Coli - a fecal coliform bacteria
COD	Chemical Oxygen Demand (Test of organic matter in sample)
TSS	Total Suspended Solids (Test of material 1 micron and larger in the sample)

2018 Multi-Sector General Permit Analytical Sampling (NPDES Permit COR05F003) NetDMR Summary Report

Sector N - Scrap Recycling and Waste Recycling Facilities.

	COD	TSS	Aluminum	Copper	Iron	Lead	Zinc
	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L
Benchmark	120	100	0.75	33.2	1	0.262	0.26

Outfall 0010 - Building 400 (Recycle Center)

1 QTR, CY18	110	26	1.9	9.9	2.1	0.004	0.081
2 QTR, CY18	44.5	17.3	0.405	7.7	0.382	0.015	0.0322
3 QTR, CY18	41.7	16.6	0.3	10	0.157	0.015	0.031
4 QTR, CY18	44.7	12.5	0.449	0.01	0.359	0.0113	0.0365
Annual Average	60.225	18	1	7	0.75	0.011	0.05

Outfall 0011 - Building 343 (DLADS Warehouse)

1 QTR, CY18	110	56	1.2	14	1.6	0.0011	0.48
2 QTR, CY18	182	41.5	0.627	13.8	0.685	0.0087	0.853
3 QTR, CY18	62.1	400	1.68	14.1	2.06	0.0137	0.67
4 QTR, CY18	82.8	121	1.57	0.0136	1.78	0.0073	0.242
Annual Average	109	154.63	1.27	10.5	1.5	0.0077	0.56

Outfall 0056 - Building 155 (Recycle Facility)

1 QTR, CY18	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2 QTR, CY18	51.7	38.2	0.341	10.8	0.375	0.015	0.01
3 QTR, CY18	101	1040	2.92	28.9	2.23	0.024	0.119
4 QTR, CY18	35	236	0.226	0.01	0.1	0.0113	0.01
Annual Average	63	438.1	1	13	1	0.017	0.05

Outfall 0063 - Building 9732 (Ammunition Residue Yard)

1 QTR, CY18	21	1200	14	43	18	0.0098	0.33
2 QTR, CY18	28.3	53	0.902	12.6	1.01	0.0085	0.0421
3 QTR, CY18	45.2	270	1.96	21.2	1.36	0.022	0.0807
4 QTR, CY18	no sample	no sample	no sample	no sample	no sample	no sample	no sample
Annual Average	32	507.7	5.6	25.6	6.79	0.013	0.15

Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities.

	COD	Ammonia	Cyanide	Magnesium	Arsenic	Cadmium	Lead	Mercury	Selenium	Silver
	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L
Reporting Limit	120	2.14	22	64	0.15	5.3	0.262	1.40	5.0	18.3

Outfall 0022 - Range 121 (Demolition Range)

1 QTR, CY18	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2 QTR, CY18	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
3 QTR, CY18	37.7	0.33	10	6470	0.0081	5.6	0.0972	0.1	1.3	0.5
4 QTR, CY18	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Annual Average	37.7	0.33	10	6470	0.0081	5.6	0.0972	0.1	1.3	0.5

Outfall 0094 - Building 9748 (Hazardous Waste Storage Facility)

1 QTR, CY18	21	0.19	2	1700	0.0014	0.24	0.0047	0.027	1.0	0.031
2 QTR, CY18	16.9	0.29	10	527	0.002	0.5	0.00092	0.1	1.0	0.25
3 QTR, CY18	33.9	0.24	10	1980	0.00086	0.55	0.0048	0.1	2.0	0.5
4 QTR, CY18	30	0.12	0.01	5.17	0.0025	0.00059	0.0091	0.0001	0.0016	0.0004
Annual Average	25.45	0.21	5.50	1053.0	0.00	0.32	0.00	0.06	1.00	0.20

Key

mg/L	miligram per liter
µg/L	microgram per liter
COD	Chemical Oxygen Demand (Test of organic matter in sample)
TSS	Total Suspended Solids (Test of material 1 micron and larger in the sample)

2019 Multi-Sector General Permit Analytical Sampling (NPDES Permit COR05F003) NetDMR Summary Report

Sector N - Scrap Recycling and Waste Recycling Facilities.

	COD	TSS	Aluminum	Copper	Iron	Lead	Zinc
	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L
Benchmark	120	100	0.75	33.2	1	0.262	0.26
Outfall 0010 - Building 400 (Recycle Center)							
1 QTR, CY19	46.8	87.6	4.05	20.4	4.41	0.0132	0.164
2 QTR, CY19	32	25	0.41	5.3	0.53	Non detect	0.024
3 QTR, CY19	21	63	0.29	4.2	0.4	Non detect	0.035
4 QTR, CY19	29	52	2	12	2.3	0.0084	0.074
Annual Average	32.2	57	2	10	1.91	0.011	0.07
Outfall 0011 - Building 343 (DLADS Warehouse)							
1 QTR, CY19	46	20	2.1	6	2.4	0.0054	0.15
2 QTR, CY19	25	21	0.41	Non detect	0.48	Non detect	0.03
3 QTR, CY19	Non detect	140	0.39	5.7	0.41	Non detect	0.2
4 QTR, CY19	47	130	1.4	9.8	2	0.0053	0.25
Annual Average	39	77.75	1.08	7.2	1.3	0.0054	0.16
Outfall 0056 - Building 155 (Recycle Facility)							
1 QTR, CY19	95.3	22.8	0.264	8.7	0.358	0.0113	0.0036
2 QTR, CY19	29	2	0.034	4.2	0.049	Non detect	Non detect
3 QTR, CY19	12	200	1	8.2	1.1	0.0034	0.022
4 QTR, CY19	41	20	0.29	6.6	0.38	Non detect	Non detect
Annual Average	44.33	61.2	0.40	6.9	0.472	0.0074	0.0128
Outfall 0063 - Building 9732 (Ammunition Residue Yard)							
1 QTR, CY19	Non Detect	1500	25	58	30	0.13	0.32
2 QTR, CY19	37	810	17	36	19	0.053	0.21
3 QTR, CY19	Non detect	2800	5.4	110	3.7	0.19	0.84
4 QTR, CY19	No discharge	No discharge	No discharge	No discharge	No discharge	No discharge	No discharge
Annual Average	37	1703.3	15.8	68.0	17.57	0.124	0.46

Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities.

	COD	Ammonia	Cyanide	Magnesium	Arsenic	Cadmium	Lead	Mercury	Selenium	Silver
	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L
Reporting Limit	120	2.14	22	64	0.15	5.3	0.262	1.40	5.0	18.3
Outfall 0022 - Range 121 (Demolition Range)										
1 QTR, CY19	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY19	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
3 QTR, CY19	44	Non detect	Non Detect	54000	0.12	16	0.27	0.13	Non detect	1.6
4 QTR, CY19	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report	Awaiting lab report
Annual Average	44	#DIV/0!	#DIV/0!	54000	0.12	16	0.27	0.13	#DIV/0!	1.6
Outfall 0094 - Building 9748 (Hazardous Waste Storage Facility)										
1 QTR, CY19	54	0.22	Non Detect	Non Detect	0.0018	0.21	0.0032	0.085	2.9	0.022
2 QTR, CY19	60	0.057	32	1500	Non detect	0.59	0.0031	Non detect	Non detect	Non detect
3 QTR, CY19	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
4 QTR, CY19	73	0.55	6.5	3000	Non detect	Non detect	Non detect	0.028	Non detect	1.1
Annual Average	62.33	0.28	19.25	2250.0	0.0018	0.40	0.0032	0.057	2.90	0.561

Key

mg/L	miligram per liter
µg/L	microgram per liter
COD	Chemical Oxygen Demand (Test of organic matter in sample)
TSS	Total Suspended Solids (Test of material 1 micron and larger in the sample)

2020 Multi-Sector General Permit Analytical Sampling (NPDES Permit COR05F003) NetDMR Summary Report

Sector N - Scrap Recycling and Waste Recycling Facilities.

Analysis	COD	TSS	Aluminum	Copper	Iron	Lead	Zinc
Units	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L
Benchmark Values	120	100	0.75	33.2	1	0.262	0.26

Outfall 0010 - Building 400 (Recycle Center)

1 QTR, CY20	26	17	0.56	Non Detect	0.63	Non Detect	0.017
2 QTR, CY20	110	Insufficient Volume	1.5	7.6	1.6	Non Detect	0.069
3 QTR, CY20	210	1300	15	40	21	0.029	0.37
4 QTR, CY20	70	28	0.29	6	0.26	0.0032	0.042
Annual Average	104	448	4.3375	17.86666667	5.8725	0.016	0.12

Outfall 0011 - Building 343 (DLADS Warehouse)

1 QTR, CY20	130	110	1	13	1.3	Non Detect	0.26
2 QTR, CY20	190	200	5.9	22	7.8	0.018	0.48
3 QTR, CY20	53	50	0.82	Non Detect	0.99	Non Detect	0.06
4 QTR, CY20	0	0	0	0	0	0	0
Annual Average	93	90	1.93	11.66666667	2.5225	0.0090	0.20

Outfall 0056 - Building 155 (Recycle Facility)

1 QTR, CY20	42	16	0.099	Non Detect	0.13	Non Detect	Non Detect
2 QTR, CY20	60	3.2	0.099	8.1	0.12	Non Detect	0.0058
3 QTR, CY20	51	150	19	34	24	0.022	0.14
4 QTR, CY20	0	0	0	0	0	0	0
Annual Average	38.25	42.3	4.80	14.0	6.063	0.0110	0.0486

Outfall 0063 - Building 9732 (Ammunition Residue Yard)

1 QTR, CY20	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY20	21	540	4.7	60	5.3	0.13	0.49
3 QTR, CY20	100	720	90	230	120	0.52	2
4 QTR, CY20	0	0	0	0	0	0	0
Annual Average	40	420	31.56666667	96.66666667	41.76666667	0.216666667	0.83

Sector K - Hazardous Waste Treatment, Storage, or Disposal Facilities.

Analysis	COD	Ammonia	Cyanide	Magnesium	Arsenic	Cadmium	Lead	Mercury	Selenium	Silver
Units	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L
Benchmark Value	120	2.14	22	64	0.15	5.3	0.262	1.40	5.0	18.3

Outfall 0022 - Range 121 (Demolition Range)

1 QTR, CY20	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY20	31	17	Non Detect	28000	0.076	7.3	0.11	0.19	Non Detect	Non Detect
3 QTR, CY20	20	0.31	Non Detect	16000	0.029	4.2	0.087	0.14	Non Detect	Non Detect
4 QTR, CY20	0	0	0	0	0	0	0	0	0	0
Annual Average	17	5.77	0	14666.66667	0.035	3.833333333	0.065666667	0.11	0	0

Outfall 0094 - Building 9748 (Hazardous Waste Storage Facility)

1 QTR, CY20	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge	No Discharge
2 QTR, CY20	510	1.1	Non Detect	2200	Non Detect	0.54	0.01	Non Detect	Non Detect	Non Detect
3 QTR, CY20	47	0.59	Non Detect	1300	Non Detect	Non Detect	0.0068	0.12	Non Detect	Non Detect
4 QTR, CY20	0	0	0	0	0	0	0	0	0	0
Annual Average	185.67	0.56	0	1166.666667	0.0000	0.27	0.0056	0.060	0.00	0.000

Key

mg/L	miligram per liter
µg/L	microgram per liter
COD	Chemical Oxygen Demand (Test of organic matter in sample)
TSS	Total Suspended Solids (Test of material 1 micron and larger in the sample)

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Appendix M – Impaired Waters Monitoring

Records are kept with the Stormwater Program Manager

Fort Carson Stormwater Pollution Prevention Plan (SWPPP) Amendment

Prepared by: Chip Hahn, Fort Carson Stormwater Manager
Chester.n.hahn.mil@mail.mil
(719) 526-1697

Date: 18 MAY 17

Subject: Change to Para 4.7.1 Impaired Waters Monitoring Sampling

References:

a. Fort Carson National Pollutant Discharge Elimination System Permit #COR05F003, 2 OCT 15.
b. USEPA Multi-Sector General Permit, 12 AUG 15.
c. USGS Fact Sheet, "Evaluation of Contamination of Human and Ruminant Sources in the Upper Fountain Creek, Colorado, 2007-2008, By Unit Multiple Lines of Evidence", January 2012.

Fort Carson completed Impaired Waters Monitoring for calendar year 2016 in accordance with Section 6.2.4.1 of the installation's Multi-Sector General Permit (MSGP).

Monitoring for E. coli was conducted at 25 locations that are representative of substantially identical outfalls for MSGP Industrial Sectors K, N, P, S, and T. Analytical results are summarized in Table, 1.

E. coli was not detected (<1 most probable number [mpn] per 100 milliliters [ml]) at 20 of the 25 outfalls sampled. Four outfalls had detections of E. coli ranging from 2 mpn/100 ml to 40 mpn/100 ml which is less than the water quality standard of 126 mpn/100 ml. One sample had a detection of 128 mpn/100 ml which exceeded the water quality standard.

Based on the type of industrial operations associated with Fort Carson's mission, detections of E. coli are likely related to the following sources:

- Droppings from birds that roost on the utility and light poles,
- Wildlife that may shelter beneath the outdoor storage units
- Background soil conditions

Per Section 6.2.4.1 of the MSGP, Fort Carson plans to discontinue monitoring at the 20 locations where E. coli was not detected. Although detections at outfalls 0010, 0063, 0037, 0043, and 0091 are most likely attributable to natural background sources, Fort Carson intends to continue collect samples from each location listed below.

Equivalent Area	Sector	Building No.	Building Name	Outfall	Analytical Requirement
7	P	2792	1-38 IN TEMF	0037	E.Coli
8	P	9062	1-4 ABCT TEMF	0043	E.Coli
16	S	Airfield	BAAF Son Tay Outfall	0091	E.Coli
21	N	400	Recycle Center	0010	E.Coli
22	N	9732	Ammunition Residue Yard	0063	E.Coli

TABLE 1 - IMPAIRED WATERS MONITORING
FORT CARSON, COLORADO 2016

Equivalent Area	Sector	Building No.	Outfall	Analytical Requirement	Date Sampled	Result mpn/100 ml	Comments
1	P	238	0036	E.Coli	4/20/2016	<1	See footnote 1
2	P	501	0038/0009	E.Coli	4/13/2016	<1	See footnote 1
3	P	8030	0016	E.Coli	4/13/2016	<1	See footnote 1
4	P	1282	0013	E.Coli	8/8/2016	<1	See footnote 1
5	P	1682	0015	E.Coli	4/20/2016	<1	See footnote 1
6	P	2492	0020	E.Coli	4/13/2016	<1	See footnote 1
7	P	2792	0037	E.Coli	4/29/2016	2	See footnote 2
7	P	2792	0037 Field Duplicate	E.Coli	4/29/2016	<1	See footnote 1
8	P	9062	0043	E.Coli	4/18/2016	40	See footnote 2
9	P	3292	0089	E.Coli	4/18/2016	<1	See footnote 1
10	P	2029/2031	0065/0066	E.Coli	4/18/2016	<1	See footnote 1
11	P	2427	0028	E.Coli	4/13/2016	<1	See footnote 1
12	P	7806	0081	E.Coli	4/13/2016	<1	See footnote 1
13	P	2635	0029	E.Coli	4/18/2016	<1	See footnote 1
14	P	7426	0033	E.Coli	4/29/2016	<1	See footnote 1
15	P	9426	0044	E.Coli	4/18/2016	<1	See footnote 1
16	S	Airfield	0091	E.Coli	4/18/2016	922	See footnote 3
16	S	Airfield	0091	E.Coli	8/8/2016	2	See footnote 2
17	S	7314	0053	E.Coli	4/20/2016	<1	See footnote 1
18	P	20000	0082	E.Coli	4/20/2016	<1	See footnote 1
19	N	155	0056	E.Coli	4/20/2016 & 4/29/2016	<1	See footnote 1
20	N	DLADS	0011	E.Coli	4/29/2016	<1	See footnote 1
21	N	400	0010	E.Coli	4/29/2016	128	See footnote 2
22	N	9732	0063	E.Coli	4/29/2016	40	See footnote 2
23	K	Range 121	0022	E.Coli	5/2/2016	<1	See footnote 1
24	K	9248	0094	E.Coli	12/21/2016	<1	See footnote 1
25	T	3907	0093	E.Coli	5/2/2016	<1	See footnote 1

Footnotes:

1. Pollutant was not present and not expected to be present in discharge. Analtyical documentation is attached.

2. Pollutant is present but is determined to be caused by natrual background sources. Analtyical documentation and an explanation of why the impairment is not related to facility operations is attached. Data tying the pollutant to natural background sources is attached.

3. The Airfield sample collected on 4/18/2016 was taken from a passive sample device that was poorly sited in a section of drainage channel where stagnant water accumulated. The 4/18/2016 sample is not representative of runoff from the airfield. The passive sample device was relocated within the drainage channel approximately 8 feet downgradient of the culvert that discharges stormwater from the airfield. The analytical results associated with the 8/8/2016 airfield sample are from the relocated sample device, these results are representative of airfield runoff and replace the results from the 4/18/2016 sample.

MSGP permittees are required to monitor discharges to impaired waters that do not have an EPA approved TMDL. All pollutants for which the waterbody is impaired must be monitored once each year at each outfall except substantially identical outfalls. Substantially identical outfalls where monitoring took place are identified in column A.

Analytical method - Colilert

Analysis performed by - Colorado Analytical Laboratories, Inc, Lakewood, Colorado

E. coli water quality standard, Regulation 32, Water Body Identification COARO04 - 126 mpn/100 ml mpn/100 ml = most probably number per 100 milliliters

Hahn, Chester N II CIV USARMY IMCOM (US)

From: Clark, Amy <Clark.Amy@epa.gov>
Sent: Tuesday, May 16, 2017 12:54 PM
To: Hahn, Chester N II CIV USARMY IMCOM (US)
Subject: [Non-DoD Source] E Coli Monitoring Discontinuation

Hi Chip – I have reviewed Fort Carson's letter dated April 19, 2017 regarding E.coli monitoring per the MSGP. Per the MSGP Section 6.2.4.1 "If the pollutant of concern is not detected and not expected to be present in your discharge, or it is detected but you have determined that its presence is caused solely by natural background sources, you may discontinue monitoring for that pollutant. To support a determination that the pollutant's presence is caused solely by natural background sources, you must document and maintain with your SWPPP, as required by Part 5.5:

• An explanation of why you believe that the presence of the pollutant of concern in your discharge is not related to the activities or materials at your facility; and

• Data and/or studies that tie the presence of the pollutant of concern in your discharge to natural background sources in the watershed.

Natural background pollutants include those that occur naturally as a result of native soils, and vegetation, wildlife, or ground water. Natural background pollutants do not include legacy pollutants from earlier activity on your site, or pollutants in run-on from neighboring sources that are not naturally occurring. However, you may be eligible to discontinue annual monitoring for pollutants that occur solely from these sources and should consult the appropriate EPA Regional Office for related guidance."

EPA supports Fort Carson's monitoring discontinuation of the non-detected locations and continue monitoring of the detected locations to 1) support the assumption the E.coli is naturally caused (e.g. bird roosting) and 2) also support regional studies of the Fountain Creek Watershed. However, please ensure you have met the SWPPP documentation requirements listed above regarding any monitoring discontinuation. Please let me know if you have any additional questions.

Thanks!

Amy Clark

Stormwater Coordinator

EPA Region 8

1595 Wynkoop St., Mail Code 8WP-CWW

Denver, CO 80202

303.312.7014

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Appendix N – Corrective Action and AIM Documentation

Records are kept with the Stormwater Program Manager

Stormwater Corrective Action / AIM Documentation

Purpose: Within 24 hours of becoming aware of a condition identified during an inspection that requires a Corrective Action, document the condition. Prior to the next storm event if possible, but no later than 14 days after discovery provide subsequent actions taken to correct the problem (Part 5.3).

Inspection Type and Date:

☐ Quarterly Visual Assessment
☐ Routine Inspection
☐ Additional Implementation Measure (AIM)
☐ Other: _____

Inspector's Name/Title:

Facility/Site Name and Location: (Building/Site Number, Outfalls)

Facility/Location Point of Contact: (Name, Phone Number, Email)

Date Identified:	Time Identified:

Description of the Condition: Describe the conditions which require corrective action (Parts 5.1.1, 5.2.3-5.2.5). If related to a spill or illicit discharge, include: material, date/time, amount, location, reason for the incident, and if it resulted in a discharge to a water of the United States. Attach photos as needed.

☐ Spill/Leak
☐ Illicit or non-stormwater discharge
☐ Discharge violates numeric effluent limit
☐ Control measures inadequate to meet water quality standards
☐ Modifications to Stormwater Control Measure needed to meet non-numeric effluent limits
☐ Control measure not properly operated/maintained
☐ Visual assessment shows evidence of stormwater pollution
☐ Pollutants changed or significantly increased
☐ Exceedance of benchmark (complete AIM Form)
☐ Other:_____

Additional Description of the Condition:

SWPPP review necessary? ☐ Yes ☐ No Completed Date: _____
SWPPP modification necessary? ☐ Yes ☐ No Completed Date: _____

SWPPP modifications must be made within 14 calendar days of completing corrective action work

Initial Actions Taken. Describe the immediate actions taken to minimize or prevent discharges of pollutants until a permanent solution is installed/operational. If related to spills, include response actions, date/time clean-up complete, notification made and staff involved (and measures taken to prevent reoccurrence).

Certification Statement (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

Subsequent Actions Taken (prior to the next anticipated storm event if possible, but no later than 14 days after discovery). Describe actions taken prior to the next anticipated storm event (or no later than 14 days from discovery). Attach photos and/or additional pages as needed. *If you determine Corrective Action is not necessary, provide a basis for this determination*.

Date Corrective Actions initiated: _____

Initial Action / Subsequent Action Follow Up.
Inspector and Title:
Date:

☐ Corrective Actions Complete. No Further Action Required
Date Corrective Actions Complete: _____

☐ Corrective Actions Not Complete. Proceed to Further Actions Below.

14 Day Corrective Action Infeasibility. If applicable, document why it is infeasible to complete the necessary remedy or repair within 14 calendar days of discovery, and what the schedule is for corrective action (must not exceed 45 days to complete corrective action).

45 Day Deadline Extension. If applicable, document the rationale sent to EPA for an extension of the 45 day corrective action time frame, and the date the request was sent to EPA (must be sent before the end of the initial 45 days).

Correction Action Close Out. Describe the final disposition of the corrective action if not completed in the initial action / subsequent action follow up.
Inspector and Title:
Date:

AIM Level (Benchmark Exceedance only).

Date: Pollutant Exceeded:

Sample 1: Result:
Sample 2: Result:
Sample 3: Result:
Sample 4: Result:

Average Result: Benchmark Value:

☐ AIM Level 1 (quarterly benchmark monitoring results indicate an AIM triggering event per Part 5.2.2 has occurred)

☐ AIM Level 2 (continued quarterly benchmark monitoring results indicate an AIM triggering event per Part 5.2.2 has occurred)

☐ AIM Level 3 (continued quarterly benchmark monitoring results indicate an AIM triggering event per Part 5.2.2 has occurred)

AIM Response Taken: ***DOCUMENT IN THE REGULAR CORRECTIVE ACTION PORTION OF FORM***

Do You Qualify for an Exception from AIM Requirements and Continued Benchmark Monitoring?
☐ Yes (indicate the exception below) ☐ No

Exception(s): (if applicable)

☐ Solely Attributable to Natural Background Pollutant Levels
Pollutant(s):
Maintain supporting rationale and applicable data as required in Part 5.2.6.1

☐ Due to Run-On
Pollutant(s):
Attach documentation and concurrence from EPA Regional Office required in Part 5.2.6.2

☐ Due to An Abnormal Event
Pollutant(s):
Attach documentation required in Part 5.2.6.3

☐ Demonstrated to Not Result in An Exceedance of Facility-Specific Value Using National Recommended Water Quality Criteria in Lieu of Applicable MSGP Benchmark Threshold (For Aluminum and Copper Benchmark Parameters Only)
Pollutant(s):
Attach documentation and concurrence from EPA Regional Office required in Part 5.2.6.4

☐ Demonstrated Not to Result in Any Exceedance of Water Quality Standards
Pollutant(s):
Attach documentation and concurrence from EPA Regional Office required in Part 5.2.6.5

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Appendix O – Annual Reports

Records are kept with the Stormwater Program Manager

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Appendix P – Other Information

Measurable Storm Events

In accordance with Part 4.1.3 of the permit, all required monitoring must be performed on a storm event that results in an actual discharge ("measurable storm event") that follows the preceding measurable storm event by at least 72 hours (3 days). The 72-hour (3 day) storm interval does not apply if you are able to document that less than a 72-hour interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs at your site.

For each monitoring event, except snowmelt monitoring, the following information will be recorded: date and duration (in hours) of the rainfall event; rainfall total (in inches) for that rainfall event; and time (in days) since the previous measurable storm event.

For snowmelt monitoring, you must identify the date of the sampling event.

A copy of this form will be kept with the appropriate monitoring event records in the respective Appendices of the SWPPP.

Date of rainfall event: _____

Duration (in hours) of rainfall event: _____

Rainfall total (in inches): _____

Time (in days) since previous measurable storm event OR verification of absence of measurable precipitation in the 72 hours preceding this monitoring event:

_____

For snowmelt - date of the sampling event: _____

Additional Notes:

Non-Stormwater Discharge Evaluation

In accordance with Part 6.2.3.4 of the permit, by the end of the first year of permit coverage, all discharge points at the facility must be inspected for the presence of unauthorized non-stormwater discharges. This form serves as the documentation for the evaluation.

Date of evaluation: _____

Description of evaluation criteria used (visual, analytical, etc.):

List of discharge points/onsite drainage points directly observed during this evaluation:

Type and source of unauthorized non-stormwater discharge, if detected (a list of authorized stormwater discharges is listed in Part 1.2.2 of the permit):

Explanation of actions taken to immediately eliminate the unauthorized discharge per Part 5 of the permit (Corrective Actions):

DPW-ENVIRONMENTAL DIVISION
Environmental Events 2019

ENVIRONMENTAL PROTECTION OFFICER (EPO) CERTIFICATION TRAINING

40-hr EPO Course - 0800 – 1600 hrs, Monday – Friday
Registration for Soldiers is through Troop Schools; Civilians contact DPW-ED POC
Location: DPW – Bldg # 1219 – Crestone Conference Room - Room 325A

28 Jan – 1 Feb 19; 04 – 08 Mar 19; 22 – 26 Apr 19
22 - 26 Jul 19; 23 -27 Sep 19; 28 Oct – 01 Nov 19

POC: Emma Buccambuso (emma.e.buccambuso.civ@mail.mil) – 526-8893

ENVIRONMENTAL PROTECTION OFFICER (EPO) REFRESHER TRAINING

8-hr EPO Refresher Course – 0800-1600 hrs
Attendees: ESEOs, EPOs/EPNCOs (annually)
Registration for Soldiers is through Troop Schools; Civilians contact DPW-ED POC
Location: DPW – Bldg # 1219 – Crestone Conference Room - Room 325A

20 Feb 19; 22 May 19; 21 Aug 19; 4 Dec 19

POC: Emma Buccambuso (emma.e.buccambuso.civ@mail.mil) – 526-8893

Environmental Compliance Assistance Team (ECAT) POCs for General Environmental Awareness Training and Assessments

David Nino – ECAT Program Manager – 524-3534
Vacant – 526-9176 Kevin Lyons – 526-0979
VACANT – 526-0755 Jessica Brown– 526-8000

ENVIRONMENTAL QUALITY CONTROL COMMITTEE (EQCC)

Location: TBD – refer to meeting invite

19 Mar 19 (1400); 14 May 19 (1400); 13 Aug 19 (1400); 12 Nov 19 (1400)

POC: Emma Buccambuso (emma.e.buccambuso.civ@mail.mil) – 526-8893

DPW-ENVIRONMENTAL DIVISION
Environmental Events 2019

ENVIRONMENTAL PROTECTION OFFICER (EPO) CERTIFICATION TRAINING

40-hr EPO Course - 0800 – 1600 hrs, Monday – Friday
Registration for Soldiers is through Troop Schools; Civilians contact DPW-ED POC
Location: DPW – Bldg # 1219 – Crestone Conference Room - Room 325A

27 - 31 Jan 2020; 09 - 13 March 2020;
21 - 25 Sept 2020; 19 - 24 Oct 2020; 07-11 Dec 2020

POC: Richard Yohn (richard.e.yohn.civ@mail.mil) – 526-8893

ENVIRONMENTAL PROTECTION OFFICER (EPO) REFRESHER TRAINING

8-hr EPO Refresher Course – 0800-1600 hrs
Attendees: ESEOs, EPOs/EPNCOs (annually)
Registration for Soldiers is through Troop Schools; Civilians contact DPW-ED POC
Location: DPW – Bldg # 1219 – Crestone Conference Room - Room 325A

Specific dates are unique to the individual who took the course with 29 individuals in 2020.

POC: Richard Yohn (richard.e.yohn.civ@mail.mil) – 526-8893

Environmental Compliance Assistance Team (ECAT) POCs for General Environmental Awareness Training and Assessments

David Nino – ECAT Program Manager – 524-3534
Tyler Wendtland – 526-9176; Kevin Lyons – 524-0979
Elaina Barni – 526-8000

ENVIRONMENTAL QUALITY CONTROL COMMITTEE (EQCC)

Location: TBD – refer to meeting invite

25 Feb 2020; 21 Oct 2020

POC: Richard Yohn (richard.e.yohn.civ@mail.mil) – 526-8893

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Appendix Q – Confidential or Restricted Information

Records are kept with the Stormwater Program Manager

Included are facility maps

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