

SAND AND GRAVEL REPORTING

(Required for the CDPHE Annual Report) Revised: 4/11/18



COLORADO
Department of Transportation

Facility Location: Spring Creek Pit	Certification No.: COG502016	DRMS Permit No.: M-1996-007
Facility Location: SH 149 and Antelope Mtn., Hinsdale County	Weather Conditions: <u>Under Snow</u>	SWMP Administrator Name: Fred Cummings
Monitor's Name: Fred Cummings	Date of Inspection: <u>Jan. 2021</u>	CDOT Work Order Number:

Facility Inspection – Stormwater Only

This inspection is being performed in compliance with Part I.J. of the Stormwater Discharge Associated with Sand and Gravel Productions. If an inspection(s) was not conducted in accordance with the required frequency, attach an explanation of why.

- Was this the required one time annually the monitoring was conducted during a runoff event? ☒ Yes ☐ No
- Has the site created any process water (screen washing or transport slurry) or mine dewatering? ☒ Yes ☐ No

☒ **Active Site:** Require 4 inspections annually (Quarterly). Date that facility became active: Jan. 2018

☐ **Inactive and Unstaffed Site w/ No Exposure:** Require 2 inspections annually (Spring/Fall) and a signed Certification of No Exposure (Page 4 of 5) signed. Inactive requires that no activities have taken place at the facility (except inspections) from the date of the last inspection listed here:

☐ **Inactive and Unstaffed Site w/ Exposure:** Require 6 inspections annually (At least 20 days apart and no more than 2 months apart). Inactive requires that no activities have taken place at the facility (except inspections) from the date of the last inspection listed here:

Control Measures at Time of Inspection

	Control Measure Used? (1)		Maintenance Required? (2)		Additional Control Measures Needed? (3)		Comments – Include the location of control measure and description of corrective actions required.	Date of Correction (4)
	Y	N	Y	N	Y	N		
Clean Water Diversion		X		X		X		
Sediment trap/basin	X			X		X		
Perimeter control: Berm, Silt fence, Erosion Logs, Bales	X			X		X		
Check dam	X			X		X		
Outlet protection		X		X		X		
Vegetative Buffer		X		X		X		
Landform		X		X		X		
Seed/Mulch		X		X		X		
Seed/Soil Retention Blanket		X		X		X		
Other: (examples-vehicle tracking pad, fencing, etc.)								

(1) Indicate whether the control measure listed is in use at this facility.

(2) Indicate whether the control measure requires any type of maintenance such as repair or removal of accumulated sediment; or if the control measure has failed. *As stated in the permit, repairs or maintenance identified shall be completed immediately.*

(3) Indicate whether any new or different control measures are needed on the project. *As stated in the permit, revised control measures shall be implemented before the next anticipated storm, but in no case more than 60 calendar days after the inspection.*

(4) Enter the date that maintenance, repair, or replacement of control measure is completed, or that a new type of control measure is installed.

Stormwater Management Plan (SWMP) – Stormwater Only

Is there a SWMP and has it been updated for the facility for current conditions in accordance with Part I.L Stormwater Discharge Associated with Sand and Gravel Productions? ☒ Yes ☐ No

(Note: SWMP must be updated within 24 hours of any changes to the control measure, until final reclamation is completed for the site and the permit is terminated.)

List amendment(s) to the SWMP from this site inspection:

The latest copy of the SWMP and at least 3 years of monitoring data is retained by the permittee and is located at:
606 South 9th. Street, Grand Junction CO

Identification of Discharges other than Stormwater

Evaluated the site for the presence of discharges other than stormwater, such as mine drainage spoils, springs, sanitary waste, or process water of any kind.

Are there discharges other than stormwater on site (e.g., spill, leak, discharge of non-stormwater not authorized under COG500000)? ☐ Yes ☒ No

If yes:

1. What was discharge?
2. Date of evaluation?
3. On-site drainage points that were directly observed during the evaluation?

Additional observations:

Is there equipment on site? ☐ Yes ☒ No *If yes, a visual inspection of equipment needed to implement the plan is required.*

Are there any site piles containing salt? ☐ Yes ☒ No *If yes, the piles must be covered.*

Is there any waste or garbage (floatable debris) on the site? ☐ Yes ☒ No *If yes remove immediately from the site.*

Is there any construction or a change in design, operation, or maintenance at the facility significantly changing the nature of pollutants discharged in the stormwater from the facility? ☐ Yes ☒ No *If yes provide explanation.*

Other comments relating to the site:



Inspector Signature:

LTC-ops ST

Title:

01/07/2020

Date:

I certify that this report is true, accurate, and complete, to the best of my knowledge and belief.

Stormwater Monitoring Requirements:

Visual Monitoring, Part I.L.1

The permittee must conduct all required monitoring on a storm or snowmelt event that results in an actual discharge from the facility ("measurable storm event"), which includes discharges to surface water within the facility permit boundary, and that follows the preceding measurable storm event by at least 72 hours (3 days),

Permittee must collect a stormwater sample from each outfall listed below and conduct a visual assessment of each of these samples 4 times annually (Quarterly). Samples must be collected in a clean clear container (plastic or glass) in a manner that the samples are representative of the stormwater discharge.

Defined Discharge Outfall(s) to Surface Water	Outfall(s) Lat, Long	Discharge Outfall(s) Description	Receiving Stream
Outfall Number 001-A	37.852889, -107.152583	Stormwater runoff from stockpiled gravel	Porcupine Gulch North Clear Creek
Outfall Number 002-A	37.851806, -107.167111	Stormwater runoff from stockpiled gravel	Porcupine Gulch North Clear Creek

- Has the facility been inactive and unstaffed, and there is a signed statement (see glossary) in the SWMP ?
☒ Yes (if yes indicate "General Permit Exception" on the quarterly DMRs) ☐ No (if no continue to question 2)
- Did a discharge occur during the reporting period? ☒ Yes (if yes continue to question 3) ☒ No (if no indicate "No Discharge")
- Date: _____ Time: _____ Signature of individual performing collection and assessment: _____
- Type of discharge? ☐ Snowmelt ☒ Runoff (rain event)
- Duration (in hours) of the rainfall or snowmelt event: _____ . Magnitude (in inches) of the storm event sampled: _____
- Was sample(s) taken within the first 30 minutes of discharge? ☐ Yes ☒ No (provide explanation _____)
- Were any of the following water quality characteristics observed?

Characteristic	Probable source if observed contamination	Corrective Action Taken
Color	☐ Yes	
Odor	☐ Yes	
Floating Solids	☐ Yes	
Settled Solids	☐ Yes	
Suspended Solids	☐ Yes	
Foam	☐ Yes	
Oil Sheen	☐ Yes	
Other Indicators of Pollution	☐ Yes	

- Include document of visual assessment observations within the facility SWMP as required in Part I.M.8 of the permit.

WQBEL/Water Quality Standard Monitoring, Part I.I.4

Discharges authorized under this permit must be controlled as necessary to meet applicable water quality standards. Discharges authorized under this permit must be controlled as necessary to meet the applicable water quality standard for **selenium** at the point of discharge (end of pipe).

Parameter	Units	Site-specific Monitoring Frequency	Sample Type
Iron (Total Recoverable) 00980	ug/l	Quarterly	Grab

- BEFORE YOU GO TO TAKE A SAMPLE: Make sure you have the sampling bottles and scooping bottles (one each for each sample location) from ESC Lab Sciences, Chain of Custody (COC) form, and a cooler (to keep the sample cool.) Also, have the Purchase Order or contract number from EPB, to fill out the billing information on the COC. If you do not have bottles, call ESC at 303-927-8523 for bottles.
- Take a picture of the water quality sample location at Outfall Number 001-A and Outfall Number 002-A. Print the picture and put it with a copy of the completed COC form (for your records).
- Take a grab sample at the listed outfalls. Do NOT tip or empty the sample bottle. It may have strong acid inside, so keep that bottle upright. Use the "scooper" bottle to dip into the runoff, then pour that into the sample bottle. Avoid scraping any dirt while dipping or touching the bottle rim with your hands. Repeat until the sample bottle is full. Use a separate "scooper" bottle and sample bottle for each Outfall location. (The detection limit is 20 parts per billion, so you need a separate, clean scooper bottle for each sample.)
- Close sample bottle, attach the provided labeling, and keep the sample cool (cooler with ice) until you ship it out. Ship FEDEX, using the labels that ESC provides, **within 1 DAY**. Labels and COC should note "Iron (total recoverable)" as the parameter to be measured.
- Label each sample by its location (COG502016, Outfall Number 001-A or 002-A), the date, and your name, plus any other information that the analytical laboratory needs. (EPB will provide billing information.)
- Send the samples, and the scooper bottles, plus the required lab forms to ESC Lab Sciences, using their preprinted FEDEX labels.
- Submit results to DMR using the CDPHE Net DMR system.
- Keep a copy of the results in a file with your permit, SWMP, and any other forms or certifications.


Monitor Signature:

LTC-Ops ST
Title:

01/07/2020
Date:

I certify that this report is true, accurate, and complete, to the best of my knowledge and belief.

SAND AND GRAVEL No Exposure Certification
(Required by CDPHE for the No Exposure Exclusion)



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At the Spring Creek facility are any of the following materials or activities are, or will be in the foreseeable future, exposed to precipitation, snow melt, and/or runoff?

1. Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to stormwater; ☐ Yes ☒ No
2. Materials or residuals on the ground or in stormwater inlets from spills/leaks; ☐ Yes ☒ No
3. Materials or products from past industrial activity; ☐ Yes ☒ No
4. Material handling equipment (except adequately maintained vehicles); ☐ Yes ☒ No
5. Materials or products during loading/unloading or transporting activities; ☐ Yes ☒ No
6. Materials or products stored outdoors (except final products intended for outside use, e.g., new cars, where exposure to stormwater does not result in the discharge of pollutants); ☐ Yes ☒ No
7. Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers; ☐ Yes ☒ No
8. Materials or products handled/stored on roads or railways owned or maintained by the discharger; ☐ Yes ☒ No
9. Waste material (except waste in covered, non-leaking containers, e.g., dumpsters); ☐ Yes ☒ No
10. Application or disposal of process wastewater (unless otherwise permitted); ☐ Yes ☒ No
11. Particulate matter or visible deposits of residuals from roof stacks/vents not otherwise regulated, i.e., under an air quality control permit, and evident in the stormwater outflow; ☐ Yes ☒ No

If the answers to ALL 11 questions are "No", then sign and date below

[Handwritten Signature]

[Handwritten Title: Permit]

[Handwritten Date: 1/11/21]

Permittee Signature:

Title:

Date:

I certify under penalty of law that I have read and understand the eligibility requirements for claiming a condition of "no exposure" and obtaining an exclusion from COPS stormwater permitting; and that there are no discharges of stormwater contaminated by exposure to industrial activities or materials from the industrial facility identified in this document (except as allowed under paragraph (h)(ii)) of this section. I understand that I am obligated to submit a no exposure certification form once every five years to the Division and, if requested, to the operator of the local MS4 into which this facility discharges (where applicable). I understand that I must allow the Division, or MS4 operator where the discharge is into the local MS4, to perform inspections to confirm the condition of no exposure and to make such inspection reports publicly available upon request. I understand that I must obtain coverage under a COPS permit prior to any point source discharge of stormwater from the facility. 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 upon my inquiry of the person or persons who manage the system, or those persons directly involved in gathering the information, the information submitted is to the best of my knowledge and belief true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Glossary

Condition of No Exposure: all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. **Industrial materials** include: machinery, open containers, raw materials, intermediate products, by-products, final products or waste products. Final products may be stored outside without being considered to be exposed IF they would not be mobilized by stormwater discharge. (For example, rock salt or fine sediment would be mobilized, and so must be covered.)

Grab Sample: A single "dip and take" sample that is representative of the water being monitored. However, the sample bottle must be full. Since Selenium samples are acidified, you do NOT want to dip with the actual sample bottles. Use the "scooper" bottle to dip and take. You may need to dip more than once if one dip does not fill the sample bottle.

Inactive mining operations— Regulation 61.3(2)(e)(iii)(C) identifies that "inactive mining operations" are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim).

This term includes the following types of facilities that have an identifiable owner/operator:

- mineral mining and/or milling occurred in the past but is not covered by an active mining permit issued by DRMS;
- operations are limited seasonally (i.e., intermittent operations), consistent with DRMS requirements for notification, only during the portion of the year when the facility is not active; or
- operations cease for 180-days or more for reasons not associated with intermittent status, and still has reserves (consistent with temporary cessation status as defined by DRMS), only during the time period the facility is not active; or
- exploration or extraction activities have ceased permanently.

(Signed certification required for SWMP for Inactive and unstaffed facilities)

		
Permittee Signature:	Title:	Date:
I certify under penalty of law that this site meets the conditions Inactive Mining Operations and is unstaffed. I am aware that there are significant penalties for providing false information, including the possibility of fine and imprisonment for knowing violations.		

Measurable Storm Event: A storm event that results in an actual discharge from the facility. storm event that results in an actual discharge from the facility ("measurable storm event"), which includes discharges to surface water within the facility permit boundary, and that follows the preceding measurable storm event by at least 72 hours (3 days).

Monitoring Point: Samples and measurements taken for the respective identified monitoring points required in the permit certification shall be representative of the volume and nature of the wastestream and/or effluent. Monitoring points shall be so designed or modified so that a sample of the effluent can be obtained at a point after the final treatment process and prior to discharge to state waters. All samples shall be taken at the monitoring points specified in the permit certification and, when specified, before the effluent joins or is diluted by any other wastestream, body of water, or substance. Monitoring points shall not be changed without a modification request submitted to and approval by the Division.

Monitoring Method: The permittee must select a test procedure that is "sufficiently sensitive" for all monitoring conducted in accordance with this permit. For COG502012, the required sensitivity is 1 ug/L (or 1 ppb).

Runoff Event: for a rain event means during, or within 24 hours after the end of, a measurable storm event; and for a snowmelt event, means at a time when a measurable discharge occurs from the facility.

SWMP Administrator: individual(s) by name or by title whose responsibilities include: SWMP development, implementation, maintenance, and modification.

CDPHE Web Page: <https://www.colorado.gov/pacific/cdphe/wqcd-sand-and-gravel-general-permit-renewal-meeting-notice>

Contacts with CDPHE:

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