

**Stormwater Pollution Prevention Plan**

**for**

Rocky Mountain Mine

NPDES ID. NO. NM R05J3267

NAD 83: 393083.00 m E; 3985425.00 m N, Zone 13

505-428-2940

**SWPPP Contact(s): 505-428-2940**

CR Minerals Co., LLC

Rocky Mountain Mine

P.O. Box 708

Ohkay Owingeh, NM 87566

505-428-2940

joe@crminerals.com

**SWPPP Preparation Date:**

**August 26, 2015**

**Reviewed April 14, 2021**

---

---

## Contents

---

<b>SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION</b> .....	<b>0</b>
1.1 Facility Information .....	0
1.2 Contact Information/Responsible Parties.....	1
1.3 Stormwater Pollution Prevention Team .....	2
1.4 Activities at the Facility .....	2
1.5 General Location Map .....	3
1.6 Site Map.....	4
<b>SECTION 2: POTENTIAL POLLUTANT SOURCES</b> .....	<b>5</b>
2.1 Industrial Activity and Associated Pollutants .....	5
2.2 Spills and Leaks.....	6
2.3 Non-Stormwater Discharges Documentation .....	6
2.4 Salt Storage .....	7
2.5 Sampling Data Summary .....	7
<b>SECTION 3: STORMWATER CONTROL MEASURES</b> .....	<b>8</b>
3.1 Minimize Exposure.....	8
3.2 Good Housekeeping.....	8
3.3 Maintenance.....	9
3.4 Spill Prevention and Response.....	9
3.5 Erosion and Sediment Controls .....	10
3.6 Management of Runoff .....	10
3.7 Salt Storage Piles or Piles Containing Salt .....	10
3.8 MSGP Sector-Specific Non-Numeric Effluent Limits .....	11
3.9 Employee Training .....	11
3.10 Non-Stormwater Discharges .....	11
3.11 Waste, Garbage and Floatable Debris .....	12
3.12 Dust Generation and Vehicle Tracking of Industrial Materials .....	12
<b>SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING</b> .....	<b>13</b>
<b>SECTION 5: INSPECTIONS</b> .....	<b>15</b>
<b>SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS</b> .....	<b>16</b>
6.1 Documentation Regarding Endangered Species .....	16
6.2 Documentation Regarding Historic Properties.....	17
6.3 Documentation Regarding NEPA Review (if applicable) .....	17
<b>SECTION 7: SWPPP CERTIFICATION</b> .....	<b>17</b>
<b>SECTION 8: SWPPP MODIFICATIONS</b> .....	<b>18</b>
<b>SWPPP ATTACHMENTS</b> .....	<b>18</b>
Attachment A – General Location Map	
Attachment B – Site Maps	
Attachment C – 2021 MSGP	

## SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

### 1.1 Facility Information

**Instructions:**

- You will need the information from this section to complete your NOI.
- For further instruction, refer to the 2012 MSGP NOI form and instructions – specifically sections C and D of the NOI. A copy of the 2012 MSGP NOI is available at [www.epa.gov/npdes/stormwater/msgp](http://www.epa.gov/npdes/stormwater/msgp) (Appendix G of the permit)
- Detailed information on determining your site's latitude and longitude can be found at [www.epa.gov/npdes/stormwater/latlong](http://www.epa.gov/npdes/stormwater/latlong).
- You must include a copy of the 2012 MSGP, or a reference or link to where a copy can be found, in Attachment C of your SWPPP.

#### Facility Information

Name of Facility: CR Minerals Co., LLC – Rocky Mountain Mine

Street: NAD 83: 393083.00 m E; 3985425.00 m N, Zone 13

City: Ohkay Owingeh, State: NM ZIP Code: 87566

County or Similar Subdivision: Rio Arriba County

Permit Tracking Number: \_\_\_\_\_ (if covered under a previous permit)

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:

1. \_\_\_ ° \_\_\_ ' \_\_\_ " N (degrees, minutes, seconds)

2. \_\_\_ ° \_\_\_ . \_\_\_ ' N (degrees, minutes, decimal)

3. 36° 0.447'N (decimal)

Longitude:

1. \_\_\_ ° \_\_\_ ' \_\_\_ " W (degrees, minutes, seconds)

2. \_\_\_ ° \_\_\_ . \_\_\_ ' W (degrees, minutes, decimal)

3. 106° 11.182'W (decimal)

Method for determining latitude/longitude (check one):

USGS topographic map (specify scale: \_\_\_\_\_)

EPA Web site

GPS

Other (please specify): Google Earth

Is the facility located in Indian Country?  Yes  No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." \_\_\_\_\_

Is this facility considered a Federal Facility?

Yes

No

Estimated area of industrial activity at site exposed to stormwater: 141 + BLM(E) & (W) = 517 (acres)

## Discharge Information

Does this facility discharge stormwater into an MS4?  Yes  No

If yes, name of MS4 operator: \_\_\_\_\_

Name(s) of water(s) that receive stormwater from your facility Arroyo del Gaucho, Arroyo de la Plaza Larga \_\_\_\_\_

Are any of your discharges directly into any segment of an "impaired" water?  Yes  No

If Yes, identify name of the impaired water (and segment, if applicable): \_\_\_\_\_

Identify the pollutant(s) causing the impairment: \_\_\_\_\_

For pollutants identified, which do you have reason to believe will be present in your discharge? \_\_\_\_\_

For pollutants identified, which have a completed TMDL? \_\_\_\_\_

Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water?  Yes  No

Are any of your stormwater discharges subject to effluent guidelines?  Yes  No

If Yes, which guidelines apply? \_\_\_\_\_

Primary SIC Code or 2-letter Activity Code: 1499  
(refer to Appendix D of the 2012 MSGP)

Identify your applicable sector and subsector: Sector J, Subsector

## 1.2 Contact Information/Responsible Parties

### Instructions:

- List the facility operator(s), facility owner, and 24 hour emergency contact. Indicate respective responsibilities, where appropriate.
- You will need the information from this section of the SWPPP Template for your NOI.
- Refer to Section B of the NOI instructions (available in Appendix G of the 2008 MSGP).

### Facility Operator (s):

Name: CR Minerals Co., LLC

Address: P.O. Box 708

City, State, Zip Code: Ohkay Owingeh, NM 87566

Telephone Number: 505-428-2940

Email address: joe@crminerals.com

Fax number:

### Facility Owner (s):

Name: CR Minerals Co., LLC

Address: P.O. Box 708

City, State, Zip Code: [Ohkay Owingeh, NM 87566](#)  
Telephone Number: [505-428-2940](#)  
Email address: [joe@crminerals.com](mailto:joe@crminerals.com)  
Fax number:

**SWPPP Contact:**

Name: [Joe Griego](#)  
Telephone number: [505-428-2940](#)  
Email address: [joe@crminerals.com](mailto:joe@crminerals.com)  
Fax number:

**1.3 Stormwater Pollution Prevention Team**

**Instructions (see 2012 MSGP Part 5.1.1):**

- Identify the staff members (by name or title) that comprise the facility's stormwater pollution prevention team as well as their individual responsibilities.
- Your stormwater pollution prevention team is responsible for assisting the facility manager in developing and revising the facility's SWPPP, implementing and maintaining control measures/BMPs, and taking corrective actions where required. Each member of the stormwater pollution prevention team must have ready access to either an electronic or paper copy of applicable portions of the MSGP and your SWPPP.

Staff Names	Individual Responsibilities
<a href="#">Joe Griego</a>	<a href="#">developing and revising the facility's SWPPP as well as maintaining control measures and taking corrective actions where required</a>

**1.4 Activities at the Facility**

**Instructions (see 2008 MSGP Part 5.1.2):**

- Provide a general description of the nature of the industrial activities at your facility.

[Pumice extraction, crushing and screening for shipment to CR Minerals Mill in Ohkay Owingeh for further processing or sale to industrial customers.](#)

## **1.5 General Location Map**

**Instructions (see 2012 MSGP Part 5.1.2):**

- Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map) with enough detail to identify the location of your facility and all receiving waters for your stormwater discharges (include as Attachment A of this SWPPP Template).

Include a copy of the general location map for this facility in Attachment A.

## 1.6 Site Map

### Instructions (see 2012 MSGP Part 5.1.2):

- Include a map showing the following information. The site map should be included as Attachment B of this SWPPP Template.
  - the size of the property in acres;
  - the location and extent of significant structures and impervious surfaces;
  - directions of stormwater flow (use arrows);
  - locations of all existing structural control measures;
  - locations of all receiving waters in the immediate vicinity of your facility, indicating if any of the waters are impaired and, if so, whether the waters have TMDLs established for them;
  - locations of all stormwater conveyances including ditches, pipes, and swales;
  - locations of potential pollutant sources identified under MSGP, Part 5.1.3.2;
  - locations where significant spills or leaks identified under MSGP, Part 5.1.3.3 have occurred;
  - locations of all stormwater monitoring points;
  - locations of stormwater inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 1, No. 2, etc), indicating if you are treating one or more outfalls as “substantially identical” under MSGP, Parts 4.2.3, 5.1.5.2, and 6.1.1, and an approximate outline of the areas draining to each outfall;
  - municipal separate storm sewer systems, where your stormwater discharges to them;
  - locations and descriptions of all non-stormwater discharges identified under MSGP, Part 2.1.2.10;
  - locations of the following activities where such activities are exposed to precipitation:
    - fueling stations;
    - vehicle and equipment maintenance and/or cleaning areas;
    - loading/unloading areas;
    - locations used for the treatment, storage, or disposal of wastes;
    - liquid storage tanks;
    - processing and storage areas;
    - immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;
    - transfer areas for substances in bulk;
    - machinery; and
  - locations and sources of run-on to your site from adjacent property that contains significant quantities of pollutants.

Include a copy of the site map for this facility in Attachment B.

## SECTION 2: POTENTIAL POLLUTANT SOURCES

### Instructions (see 2012 MSGP Part 5.1.3):

- In this section, you are required to describe areas at your facility where industrial materials or activities are exposed to stormwater or from which allowable non-stormwater discharges are released.

### 2.1 Industrial Activity and Associated Pollutants

#### Instructions (see 2012 MSGP Parts 5.1.3.1 and 5.1.3.2):

- Include a list of industrial activities exposed to stormwater (e.g., material storage; equipment/vehicle fueling, maintenance, and cleaning; cutting steel beams) and the pollutants or pollutant constituents (e.g., motor oil, fuel, battery acid, and cleaning solvents) associated with these activities.
- In your list of pollutants associated with your industrial activities, include all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to stormwater in the 3 years prior to the date you prepare your SWPPP.

Industrial Activity	Associated Pollutants
Road maintenance Removal of overburden	Dust, total suspended solids (TSS), total dissolved solids (TDS), turbidity
Rock sorting	Dust, TSS
Rock crushing	Dust, TSS, TDS, turbidity, fines
Raw material storage	Dust, TSS, TDS, turbidity
Waste rock storage	Dust, TSS, TDS, turbidity, pH
Raw material loading	Dust, TSS, TDS, turbidity
Processing materials unloading	Diesel fuel, oil
Raw or waste material transportation	Dust, TSS, TDS, turbidity
Equipment/Vehicle Maintenance-Fueling Activities	Diesel fuel, oil
Equipment/Vehicle Maintenance-Parts cleaning	Containerized solvents, oil, grease, and oily rags
Equipment/Vehicle Maintenance-waste disposal of oily rags, oil and gas filters, batteries, coolants, degreasers, solvents, and spent containers	Oil, fuel, solvents, acids, heavy metals from batteries,
Fluid replacement including hydraulic fluid, oil, transmission fluid, radiator fluids, and grease	Hydraulic fluid, oil, transmission fluid, radiator fluids, and grease
Reclamation Activities-Site preparation for stabilization	Dust, TSS, TDS, turbidity



## 2.2 Spills and Leaks

### Instructions (See 2012 MSGP Part 5.1.3.3):

- Include the following in this section:
  - o **Potential spills and leaks:** A description of where potential spills and leaks could occur at your site that could contribute pollutants to your stormwater discharge, and specify which outfall(s) are likely to be affected by such spills and leaks.
  - o **Past spills and leaks:** A description of significant spills and leaks in the past 3 years of oil or toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a stormwater conveyance.
- *Note: Significant spills and leaks include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under CWA Section 311 (see 40 CFR 110.6 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC §9602.*

### Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Diesel Storage Tank	Fuel Tank is located in the pit area and is contained within a plastic lined berm. There are no potential outfalls associated with this source.
Equipment/Vehicle Maintenance Area	Equipment/Vehicle Maintenance is performed within the pit area. There are no potential outfalls associated with this source.

### Description of Past Spills/Leaks

Date	Description	Outfalls
	There have been no known spills or leaks of toxic and/or hazardous pollutants within the last 3 years.	

## 2.3 Non-Stormwater Discharges Documentation

**Instructions (see 2012 MSGP Part 5.1.3.4):**

- The questions below require you to provide documentation of the following:
  - Your evaluation for the presence of non-stormwater discharges at your site; and
  - Your elimination of any unauthorized non-stormwater discharges.

- Date of evaluation: 6/15/15
- Description of the evaluation criteria used: Equipment and site inspection.
- List of the outfalls or onsite drainage points that were directly observed during the evaluation: No outfall or onsite drainage points were directly observed.
- Different types of non-stormwater discharge(s) and source locations: No non-storm water discharges were observed.
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an NPDES permit application was submitted for an unauthorized cooling water discharge: Not Applicable.

## 2.4 Salt Storage

**Instructions (see 2012 MSGP Part 5.1.3.5):**

- Document the location of any storage piles containing salt used for deicing or other commercial or industrial purposes.
- Note: You will be asked additional questions concerning salt storage in Section 3.7 of this SWPPP template, below.

There are no storage piles containing salts.

## 2.5 Sampling Data Summary

**Instructions (See 2012 MSGP Part 5.1.3.6):**

- Summarize all stormwater sampling data collected from your permitted outfalls during the previous permit term.

There has been no stormwater discharge from the site from the previous permit term.

## SECTION 3: STORMWATER CONTROL MEASURES

**Instructions (See 2012 MSGP Parts 5.1.4.1 and 2.1.2):**

- In Sections 3.1 - 3.12 of this SWPPP template, you are asked to describe the stormwater control measures that you have installed at your site to meet each of the permit's "non-numeric effluent limits" in Part 2.1.2 of the 2012 MSGP.

### 3.1 *Minimize Exposure*

**Instructions (see 2012 MSGP Part 2.1.2.1):**

- Describe any structural controls or practices used to minimize the exposure of industrial activities to rain, snow, snowmelt, and runoff. Describe where the controls or practices are being implemented at your site.

All industrial activities with the exception of driveways for the public access are contained within the pit area. The pit is surrounded by high retaining walls and no potential outfalls have been identified within the pit area. The diesel tank used for refueling is contained within a plastic lined berm and is surrounded by pumice. The pumice itself acts as a sorbent for spill control. The generator is contained within a shed and is not exposed to rain, snow, snowmelt and runoff. The natural vegetation has been preserved in areas not involved in industrial activities or disturbed areas no longer in use have been vegetated to minimize exposed soils. Haul roads are constructed to minimize runoff from road surfaces.

### 3.2 *Good Housekeeping*

**Instructions (see 2012 MSGP Parts 2.1.2.2 and 5.1.5.1):**

Describe any practices you are implementing to keep exposed areas of your site clean. Describe where each practice is being implemented at your site. Include here your schedule for: (1) regular pickup and disposal of waste materials, and (2) routine inspections for leaks and of the condition of drums, tanks, and containers.

The area of operations will be kept clean throughout the workday. Actions will include containing and covering garbage, waste materials, and debris in covered containers each day. Pickup and disposal of garbage and waste materials at the site will be performed as covered containers become full or at least once a week. Employees will be trained in good housekeeping practices.

### 3.3 Maintenance

**Instructions (see 2012 MSGP Parts 2.1.2.3 and 5.1.5.1):**

- Describe procedures (1) to maintain industrial equipment so that spills/leaks are avoided, and (2) to maintain any of your site’s control measures in effective operating condition. Include the schedule you will follow for such maintenance activities. Describe where each applicable procedure is being implemented at the site.

Good house-keeping actions will be performed each day. Maintenance actions will be performed at least once a week. Inspections of the diesel storage tank and plastic lining to the containment area will be inspected at least once a week for leaks and structural integrity. All motorized equipment will be inspected daily before use for fluid leaks (i.e., check for oil or other fluid leaks beneath the equipment). In addition, spill cleanup material will be kept readily available and spills and/or leaks will be cleaned up immediately. Driveways will be inspected daily and kept clean of pumice and oil/grease from vehicles.

### 3.4 Spill Prevention and Response

**Instructions (see 2012 MSGP Parts 2.1.2.4 and 5.1.5.1):**

- Describe any structural controls or procedures used to minimize the potential for leaks, spills, and other releases. You must implement the following at a minimum:
  - Procedures for plainly labeling containers (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers and Pesticides,” etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
  - Preventative measures such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;
  - Procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases; and
  - Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies.

Describe where each control is to be located or where applicable procedures will be implemented.

- Note: Some facilities may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

-The diesel storage tank is properly labeled. Oil, grease or other equipment maintenance fluids will be stored offsite until needed. All containers will be properly labeled and handled while on-site according to manufacturer’s instructions. When containers are spent, they will be disposed of in covered containers.

-The fuel storage tank is located away from traffic areas and is contained within a plastic lined berm.

-Leaks, spills and other releases will be contained and cleaned up immediately.

-Leaks, spills, or other releases containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 are not expected. If a spill or leak of any kind occurs the following person(s) should be contacted:

Name: Joe Griego

Telephone number: 505-428-2940

Email address: [joe@crminerals.com](mailto:joe@crminerals.com)

### **3.5 Erosion and Sediment Controls**

**Instructions (see 2012 MSGP Part 2.1.2.5):**

Describe structural or non-structural controls used at your site to stabilize exposed areas and contain runoff to minimize onsite erosion and potential offsite discharges of sediment. Note: You must at a minimum implement flow velocity dissipation devices at outfalls and discharge channels. Describe the location at your site where each control will be implemented.

There are not outfalls or discharge channels located at the site. The nearest potential outfalls are Arroyo de la Plaza to the northeast, and Arroyo del Gaucho to the west.

### **3.6 Management of Runoff**

**Instructions (See 2012 MSGP Part 2.1.2.6):**

Describe controls used at your site to divert, infiltrate, reuse, contain, or otherwise reduce stormwater runoff. Describe the location at your site where each control will be implemented.

No runoff from the site is expected.

### **3.7 Salt Storage Piles or Piles Containing Salt**

**Instructions (see 2012 MSGP Part 2.1.2.7):**

If applicable, describe structures at your site that either cover or enclose salt storage piles or piles containing salt, or that prevent the discharge of stormwater from such piles. Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile. Describe the location at your site where each control and/or procedure will be implemented.

There are no storage piles containing salt.

### **3.8 MSGP Sector-Specific Non-Numeric Effluent Limits**

**Instructions (see 2012 MSGP Part 2.1.2.8):**

- Describe any controls or procedures that will be used at your site to comply with any sector-specific requirements that apply to you in Part 8 of the 2012 MSGP. Describe the location at your site where each control and/or procedure will be implemented.
- Note: Sector-specific effluent limits apply to Sectors A, E, F, G, H, I, L, M, N, O, P, Q, R, S, T, U, V, X, Y, Z, and AA.

There are no sector specific requirements for Sector J.

### **3.9 Employee Training**

**Instructions (see 2012 MSGP Parts 2.1.2.9 and 5.1.5.1):**

Describe your plan for training the 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 2012 MSGP, including all members of your Pollution Prevention Team. Included in your description must be the frequency of training (note: recommended at least one time per year), and the schedule you will follow.

Employees who are required to implement the activities necessary to meet the conditions of the 2015 MSGP will be trained immediately as to the requirements of this plan. Regular employees who perform day to day tasks at the site will be trained to Good Housekeeping Practices implemented by this plan at the time of employment and at least once per year thereafter.

### **3.10 Non-Stormwater Discharges**

**Instructions (see 2012 MSGP 2.1.2.10):**

Describe how you eliminated any unauthorized non-stormwater discharges at your site. The unauthorized non-stormwater discharges include any non-stormwater discharges that are not specifically identified in Part 1.1.3 of the 2012 MSGP. Note: If this section is already addressed by your documentation for Section 2.3 of the SWPPP template, you can simply include a cross-reference to that section of your SWPPP.

There are no non-stormwater discharges associated with this operation.

### **3.11 Waste, Garbage and Floatable Debris**

**Instructions (see 2012 MSGP Part 2.1.2.11):**

Describe controls and procedures that will be used at your site to minimize discharges of waste, garbage, and floatable debris. Describe the location at your site where each control and/or procedure will be implemented.

The pit site is surrounded by high retaining walls. The area of operations will be kept free of waste, garbage and debris. Waste, garbage and debris at the site will be stored in covered containers and shipped off site at least once per week.

### **3.12 Dust Generation and Vehicle Tracking of Industrial Materials**

**Instructions (see 2012 MSGP Part 2.1.2.12):**

Describe controls and procedures you will use at your site to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Describe the location at your site where each control and/or procedures will be implemented.

Overburden stripping. Prior to overburden stripping a berm is constructed around the area to direct water flow into the pit area. The pit area drains internally and does not contain outfalls or discharge points. Within 14 days overburden will be stabilized by applying hydroseed.

Mining. Mining occurs within the mine pit area. The pit area drains internally and does not contain outfalls or discharge points.

Screening. Screening operations are within the pit area. The pit area drains internally and does not contain outfalls or discharge points.

Stockpiling. Stockpiling of material is within the pit area. The pit area drains internally and does not contain outfalls or discharge points.

Ore Shipping. Pumice is hauled to the CR Minerals Mill in Ohkay Owingeh for processing. The pumice is hauled via the main and secondary entrances and 31 mile road as indicated on the site map. Trucks have tarpaulins covering the pumice to minimize windblown materials from the truck bed. In addition, 12-inch culverts at least 50 feet in length will be installed at the main and secondary entrances.

Waste Disposal. The mine stores pumice waste from the CR Minerals Mill in Ohkay Owingeh. Trucks have tarpaulin covering the pumice to minimize windblown materials from the truck bed. The waste is stored within the pit area. The pit area drains internally and does not contain outfalls or discharge points.

## SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

### Instructions (see 2012 MSGP Part 5.1.5.2):

- Describe your procedures for conducting the five types of analytical monitoring specified by the MSGP, where applicable to your facility, including:
  - Benchmark monitoring (2012 MSGP, Part 6.2.1 and relevant requirements in Part 8 and/or Part 9);
  - Effluent limitations guidelines monitoring (2012 MSGP, Part 6.2.2 and relevant requirements in Part 8);
  - State- or Tribal-specific monitoring (2012 MSGP, Part 6.2.3 and relevant requirements in Part 9);
  - Impaired waters monitoring (2012 MSGP, Part 6.2.4); and
  - Other monitoring as required by EPA (2012 MSGP, Part 6.2.5).
- Depending on the type of facility you operate, and the monitoring requirements to which you are subject, you must collect and analyze stormwater samples and document monitoring activities consistent with the procedures described in 2012 MSGP, Part 6 and Appendix B, Subsections 10 – 12, and any additional sector-specific or State/Tribal-specific requirements in 2012 MSGP, Parts 8 and 9, respectively. Refer to 2012 MSGP, Part 7 for reporting and recordkeeping requirements. Note: All monitoring must be conducted in accordance with the relevant sampling and analysis requirements at 40 CFR Part 136. Include in your description procedures for ensuring compliance with these requirements.
- If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, you must include in your SWPPP the information to support this claim as required by 2012 MSGP, Part 6.2.1.3.
- If you plan to use the substantially identical outfall exception for your benchmark monitoring requirements in 2012 MSGP, Part 6.2.1 and/or your quarterly visual assessment requirements in 2012 MSGP, Part 4.2.3, you must include the following documentation:
  - Location of each of the substantially identical outfalls;
  - Description of the general industrial activities conducted in the drainage area of each outfall;
  - Description of the control measures implemented in the drainage area of each outfall;
  - Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges;
  - An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%); and
  - Why the outfalls are expected to discharge substantially identical effluents.

For each type of monitoring, your SWPPP must include a description of:

1. **Sample Location(s).** Describe where samples will be collected, including any determination that two or more outfalls are substantially identical. **All operations are within the pit area. The pit area drains internally and does not contain outfalls or discharge points.**
2. **Pollutant Parameters to be Sampled.** Include a list of the pollutant parameters that will be sampled and the frequency of sampling for each parameter. **NA**



3. **Monitoring Schedules.** Include the schedule you will follow for monitoring your stormwater discharge, including where applicable any alternate monitoring periods to be used for facilities in climates with irregular stormwater runoff (2012 MSGP, Part 6.1.6). [NA](#)
4. **Numeric Limitations.** List here any pollutant parameters subject to numeric limits (effluent limitations guidelines), and which outfalls are subject to such limits. Note that numeric limits are only included for Sectors A, C, D, E, J, K, L, and O. [NA](#)
5. **Procedures.** Describe procedures you will follow for collecting samples, including responsible staff who will be involved, logistics for taking and handling samples, laboratory to be used, etc. [NA](#)

Note: It may be helpful to create a table with columns corresponding to # 1 - 5 above for each type of monitoring you are required to conduct.

**Inactive and Unstaffed sites exception** (if applicable)

If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, include information to support this claim.

[NA](#)

**Substantially identical outfall exception** (if applicable)

If you plan to use the substantially identical outfall exception for your benchmark monitoring and/or quarterly visual assessment requirements, include the following information here to substantiate your claim that these outfalls are substantially identical:

- Location of each of the substantially identical outfalls: [NA](#)
- Description of the general industrial activities conducted in the drainage area of each outfall: [NA](#)
- Description of the control measures implemented in the drainage area of each outfall: [NA](#)
- Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges: [NA](#)
- An estimate of the runoff coefficient of the drainage areas (low=under 40%; medium=40 to 65%; high =above 65%): [NA](#)
- Why the outfalls are expected to discharge substantially identical effluents: [NA](#)

## SECTION 5: INSPECTIONS

### Instructions:

- Describe your procedures for performing the three types of inspections required by the 2012 MSGP, including:
  - Routine facility inspections (2012 MSGP, Part 4.1);
  - Quarterly visual assessment of stormwater discharges (2012 MSGP, Part 4.2); and
  - Comprehensive site inspections (2012 MSGP, Part 4.3).
- If you are invoking the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments, you must include in your SWPPP the information to support this claim as required by 2012 MSGP, Parts 4.1.3 and 4.2.3.
- A sample routine facility inspection and quarterly visual assessment form is available on EPA's MSGP website ([www.epa.gov/npdes/stormwater/msgp](http://www.epa.gov/npdes/stormwater/msgp)) in the "Additional MSGP Documentation" file. Appendix I of the 2012 MSGP includes a comprehensive site inspection form (Annual Reporting Form).

For the routine facility inspections and the comprehensive site inspections to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: [Joe Griego, Operations and Plant Manager](#)
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges (2012 MSGP, Part 4.2.3):
  - [The generator shed and berm around the diesel storage tank will be inspected weekly for damage and repaired if necessary.](#)
  - [The area around the pit including stabilized overburden will be inspected quarterly.](#)
  - [A comprehensive site inspection of the area within the property boundary \(see Mine Site Map\) will be conducted on a yearly basis.](#)

and

- Specific areas of the facility to be inspected, including schedules for specific outfalls: [The areas actively being stripped of overburden will be inspected daily for berm integrity and following a significant rainfall or snowmelt event to ensure that storm water is directed into the pit area.](#)

For the quarterly visual assessments to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: [Joe Griego, Operations and Plant Manager](#)
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges (2012 MSGP, Part 4.2.3): [Quarterly](#) and
- Specific areas of the facility to be inspected, including schedules for specific outfalls: [Pit perimeter/overburden. There are no outfalls on the pit perimeter.](#)

**Inactive and Unstaffed sites exception** (if applicable)

If you are invoking the exception for inactive and unstaffed sites for your routine facility inspections and quarterly visual assessments, include information to support this claim.

NA

## **SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS**

### ***6.1 Documentation Regarding Endangered Species.***

**Instructions (see 2012 MSGP Part 5.1.6.1):**

Include any documentation you have that supports your determination of eligibility consistent with 2012 MSGP, Part 1.1.4.5 (Endangered and Threatened Species and Critical Habitat Protection). Refer to Appendix E of the 2012 MSGP for specific instructions for establishing eligibility.

Wildlife and Plant Survey Reports were previously submitted in the 2012 SWPP for this project. These included a discussion of whether federally-listed endangered species or federally-designated critical habitat may be in the project area.

Copies of Attachments 1 and 2 from the 2015 MSGP Appendix E, are attached below in Attachment C, 2015 MSGP. These specifically include:

1. The IPaC project map and a description of the project action area
2. The Official Species List from the New Mexico Ecological Services Division, USFWS  
Consultation Code: 02ENNM00-2015-SLI-0653 August 26, 2015  
Event Code: 02ENNM00-2015-E-00771  
Project Name: CR Minerals Co. LLC - Rocky Mountain Mine, M

## 6.2 Documentation Regarding Historic Properties

**Instructions (see 2012 MSGP Part 5.1.6.2):**

Include any documentation you have that supports your determination of eligibility consistent with 2012 MSGP, Part 1.1.4.6 (Historic Properties Preservation). Refer to Appendix E of the 2012 MSGP for specific instructions for establishing eligibility.

Cultural resource surveys were previously conducted under BLM CRUP (permit no.) #12-2920-09-X, and NMCRIS No. 11885 prior to submittal of the 2012 SWPP and Nol. Berms and culverts would be used at the site. No Traditional Cultural Properties or Native American Religious Concerns were found during the cultural resource survey of the project area or during tribal consultation and public scoping exercises. In the event that buried cultural deposits are discovered during construction, work would cease and the Taos BLM would be notified so a qualified archaeologist may perform an evaluation of the findings.

## 6.3 Documentation Regarding NEPA Review (if applicable)

**Instructions (see 2012 MSGP Part 5.1.6.3):**

Include any documentation you have that supports your determination of eligibility consistent with MSGP 2012 Part 1.1.2.5 (Discharges Subject to Any New Source Performance Standards).

NA

## SECTION 7: SWPPP CERTIFICATION

**Instructions (see 2012 MSGP Part 5.1.7):**

The following certification statement must be signed and dated by a person who meets the requirements of Appendix B, Subsection 11.A or 11.B, of the 2012 MSGP. Note: This certification must be re-signed in the event of a SWPPP modification in response to a Part 3.1 trigger for corrective action.

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: \_\_\_\_\_

## SECTION 8: SWPPP MODIFICATIONS

### Instructions (see 2012MSGP Part 5.2):

- Your SWPPP is a “living” document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 3.4 of the 2008 MSGP.
  - If you need to modify the SWPPP in response to a corrective action required by Part 3.1 of the 2008 MSGP, then the certification statement in section 7 of this SWPPP template must be re-signed in accordance with 2008 MSGP Appendix B, Subsection 11.A or 11.B.
  - For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person. See 2008 MSGP Appendix B, Subsection 11.C.

## SWPPP ATTACHMENTS

***Attachment A – General Location Map***

***Attachment B – Site Map***

***Attachment C – 2015 MSGP***