Storm Water Management Plan

Project Name: 7East Grout Borehole Pad Site SITE DESCRIPTION OWNER Name, Address, Project Name and 7East Grout borehole pad Sage Creek Land & Reserves, LLC construction and access roads. Parcel 945161001 Sections 16 5N Location: (PARCEL #; and Phone #: 701 Market Street STE 862 St. Louis, MO 63101 Section, Township, & 30779 RCR 33 307-685-6720 Range; and Address) CONTACT Name. Description: (Purpose and Miranda Kawcak Twentymile Coal, LLC 29515 RCR 27 Contruction of one 300 x 300 feet Grout Types of Soil Disturbing Address, & Phone #: borehole pad and associated access roads. Oak Creek, CO 80467 970-870-2718 / 970-439-8273 Activities) # Cubic Yards of soil cut/fil 7East Pad: ~3400 Cu.Yd. cut/fill balance and/or amount of surface area moved. The site is approximately 3 acres of which a acres will be disturbed by construction activities. Site Area: Sequence of Major Activities The order of activities will be as follows: Establisment of temporary drainage and sediment control Removal of topsoil and placed in stockpiles Construction of finished drill pad and borehore Construction of of perimeter ditch with rock check dams around pad area Name of Receiving Waters: CONTROLS **Erosion and Sediment Practices** Stabilization Practices Temporary Stabilization -Refer to the attached Exhibit 49FF. Temporary stabilization includes wattles or equivalent devices at all topsoil stock pilesand along the fill sides of the pad Permanent Stabilization -Refer to the attached Exhibit 49FF. A run-off diversion ditch will be constructed on the appropriate sides of the pads to catch all drainage from the pad area and divert any run-off from entering the pad area. Weed Control -Refer to the attached Weed Management Plan Structural Practices Routt County Planning Dept. administrative use permit PL18-141 Storm Water Management Drainage and sediment from disturbed areas will be controlled by an integrated system, using grading and berms to limit and control surface runoff, mud pits excavaled within the footprint of the pad to contain all drilling fluids, and either rock check-dams, silt fence, or straw bales/wattles installed at the low point of the drill pad to contain sediment and control any discharge. Maintenance: The drill pad surfaces will have approximantly 8" of compacted pitrun and 3" of compacted road base or screened rock applied. Access to the site will be by a constructed 150 foot long by 25 feet wide graveled access road. Pad will be plowed in winter if access is necessary.

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	OTHER CONTROLS
8	All waste will be disposed of at the Twentymile trash collection sites.
8	Minor amounts of cardboard, wooded stakes, and misc. steel pipe that will be removed as the construction progresses
H	No hazardous waste except fuels and oils for the equipment used will be present at the construction site
Sa	A portable toilet will be placed on site during construction. The toilet will be inspected and cleaned weekly.
	TIMING OF CONTROLS/MEASURES
	The proposed drill sites construction will be initiated as soon as possible after the receipt of the permit approvals with the completion of the site prior to 10/30/2021.
	CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS
(C	n July 1st, 2021 Twentymile Coal, LLC submitted a Minor Revision (TR21-97) to the Colorado Division of Mining, Reclamation, and Safety CDRMS) requesting approval of TR21-97 to our existing Mining Permit for the installation, operation, and reclamation of this pad site R21-319 is schedule to be approved September 4th, 2021.
	MAINTENANCE/INSPECTION PROCEDURES
_	Erosion and Sediment Control Inspection and Maintenance Practices
7	The installed wattles and diversion ditch will be inspected bi-annually for erosion and proper functionality.
2	The topsoil piles will be seeded following construction
3	Rock Check-dams will be installed at the ends of the diversion ditched to help control sediment and erosion.
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The materials or substances listed below are e	pected to be present ons	te during construction:
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- Straw or Equivalent wattles
- 8-12" fractured limestone for rock check dams
- Pitrun and road base for access road and pad
- · Wooden Stacks for stabilization of wattles
- Steel pipe for the borehole surface casing, borehole shaft casing, and misc. fitting
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Spill Control Practices

in addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Please refer to the attached Twentymile SPCC Plan
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STORM WATER MANAGEMENT PLAN 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 submitted. Based on my inquiry of the person or persons who manage the system, or of 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.

Signed:	The control of the control				
Date:	7/29/2021		<u> </u>		

Minanda Kausak