

State of Colorado
Energy & Carbon Management Commission

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Document Number:

403459257

Date Received:

07/12/2023

FIR RESOLUTION FORM

Overall Status:

CA Summary:

4 of 4 CAs from the FIR responded to on this Form

4 CA Completed
0 Factual Review Request

OPERATOR INFORMATION

ECMC Operator Number: 81490
Name of Operator: ST CROIX OPERATING INC

Address: P O BOX 13799

City: DENVER State: CO Zip: 80201

Contact Name and Telephone:

Name: _____

Phone: () Fax: ()

Email: _____

Additional Operator Contact:

Contact Name	Phone	Email
Melnychenko, Paul	(303) 489-9298	stcroixexp@aol.com
Dornbos, Ryan	303-915-9074	ryan@petersonenergyoperating.com

ECMC INSPECTION SUMMARY:

FIR Document Number: 708200237

Inspection Date: 05/15/2023

FIR Submit Date: 05/18/2023

FIR Status: _____

Inspected Operator Information:

Company Name: ST CROIX OPERATING INC

Company Number: 81490

Address: P O BOX 13799

City: DENVER State: CO Zip: 80201

LOCATION - Location ID: 484105

Location Name: Revenant Number: 1 County: _____

Qtrqtr: NWNE Sec: 7 Twp: 3S Range: 51W Meridian: 6

Latitude: 39.810980 Longitude: -103.129430

FACILITY - API Number: 05-121-00 Facility ID: 484105

Facility Name: Revenant Number: 1

Qtrqtr: NWNE Sec: 7 Twp: 3S Range: 51W Meridian: 6

Latitude: 39.810980 Longitude: -103.129430

CORRECTIVE ACTIONS:

1 CA# 171127

Corrective Action: Implement or modify BMPs for improved material handling and spill prevention, per Rule 1002.f.(2)B.

Date: 05/20/2023

Response: CA COMPLETED

Date of Completion: 05/20/2023

Operator Comment: An empty barrel was up righted during attempted conversations with COGCC inspector. The 500-gallon (12 bbl) fuel trailer was used to top off heavy equipment fuel tanks on location and was left empty on location. Both containers were within the location boundary berm which surrounds the entire location acting as secondary containment. The perimeter berm is about 250' x 300' and 1 ft tall (adjusted for the included topsoil stockpile) and has capacity for 13,300 bbls if it were flat, but adjusted for the grade of the location, it can hold approximately 890

bbls on the east edge of the location which is 200%+ the largest tank on location and is adequate secondary containment for the 12 bbl fuel trailer, or the 1.25 bbl drum, however both were/are empty. If we had known this was of concern to the inspector, we could have informed the inspector at the time of inspection.

07/12/2023 - Photo log attached shows all was completed and returned to previous condition. Continuous extreme rain made efforts to control stormwater constant until the pad was reclaimed. This location was turned over to the landowner and all equipment has been removed.

ECMC Decision: _____

ECMC
Representative:

2 CA# 171128

Corrective Action: Previous CA: Submit pre-construction nesting migratory bird survey via Form 4 Sundry Notice by COB 05/09/2023. The assumption is that this has already occurred, therefore a short corrective action date to submit the information has been applied.

Operator shall provide documentation via Form 4 Sundry; route to Area Reclamation Specialist.

Date: 05/09/2023

Response: CA COMPLETED

Date of Completion: 05/01/2023

Operator
Comment: 07/12/2023 - Photo log attached and Sundry re-submitted with same photo log.

ECMC Decision: _____

ECMC
Representative:

3 CA# 171129

Corrective Action: Comply with Rule 1002.c to perform additional stabilization efforts on the topsoil stockpile. Advise moving parking spaces to another portion of the location and/or not located on the topsoil stockpile. Corrective action date is the date the location was observed out of compliance.

Date: 05/15/2023

Response: CA COMPLETED

Date of Completion: 07/15/2023

Operator
Comment: This inspection occurred after the location received 2-4 inches of rain for the past 4 days and was continuing to rain the morning of the day the inspection occurred, and intermittently throughout the day and the following week. Stormwater BMPs are designed for 2-year 24-hour precipitation events, and this event was at least a 10-year 3-day event. The berms around the location were adequate in containing stormwater and sediments from the location, inside the location. The berms were also effective at stopping water and sediment from entering the location and diverting water and sediment around the location. Per Stormwater rules, and SWMP plan with CDPHE, Maintenance is allowed within 7 days of the end of the storm event and up to 30 days when heavy equipment is required. In this instance repairs were active and occurring on location as conditions permitted since equipment was available. Condition consisted of continuous rain, and if heavy equipment was used on top of the topsoil pile while it was saturated with water it would have caused excessive damage and would have tracked topsoil off of the pile, and would have been a personnel safety hazard.

Vehicles and equipment cited as being parked/stored on the topsoil pile are actually at the base boundary of the topsoil stock pile. All equipment and vehicles have since been removed from location. There is a visitor sign that was placed at the bottom boundary of the topsoil stockpile before the rain event marking this boundary and all vehicles and stored equipment were behind the signs and not in contact with the topsoil stockpile.

07/12/2023 - Photo log attached shows all was completed and returned to previous condition. Continuous extreme rain made efforts to control stormwater constant until the pad was reclaimed. This location was turned over to the landowner and all equipment has been removed.

ECMC Decision: _____

ECMC
Representative:

4 CA# 171130

Corrective Action:

Date: 05/15/2023

Comply with Rule 1002.f.(2) to install BMPs in accordance with good engineering practices. Corrective action date is the date the location was observed out of compliance, as the location should be in compliance at all times.

Response: CA COMPLETED

Date of Completion: 07/15/2023

Operator
Comment:

This inspection occurred after the location received 2-4 inches of rain for the past 4 days and was continuing to rain the morning of the day the inspection occurred, and intermittently throughout the day and the following week. Stormwater BMPs are designed for 2-year 24-hour precipitation events, and this event was at least a 10-year 3-day event. The berms around the location were adequate in containing stormwater and sediments from the location, inside the location. The berms were also effective at stopping water and sediment from entering the location and diverting water and sediment around the location. Per stormwater rules, and SWMP plan with CDPHE, Maintenance is allowed within 7 days of the end of the storm event and up to 30 days when heavy equipment is required. In this instance repairs were active and occurring on location as conditions permitted since equipment was available. Condition consisted of continuous rain and heavy equipment used on top of the topsoil pile while it was saturated with water would have caused excessive damage and would have tracked topsoil off of the pile.

As conditions permit, repairs will continue. Attempted conversations to discuss SE corner with inspector were unsuccessful as inspector refused to converse, disclose, or assist with understanding of rules or anything related to findings or differences in interpretation despite the good faith effort made by operator.

The "Clearing of vegetation (e.g. grubbing)" cited by the inspector was in-fact the outside boundary stormwater diversionary structure used to divert offsite sediments and stormwater runoff implemented as compliance with 1002.f.2.A. The purpose of the berms was directly disclosed by operator to the inspector. Operator asked about the structures to understand if inspector was aware of how they are being used on this location and their role in runoff and sediment diversion, but the inspector refused to answer any questions or confirm any statements made by the operator.

Observance of the surrounding field provides evidence that erosion rills are/were present in all the E/W tracks from farm equipment and in the rows between the stubble. The comment, "apparent offsite sediment transport on the southeast corner of the construction area" cited by the inspector was actually diverted sediments and stormwater runoff from outside the location boundary. Attempts were made to discuss this on-site at the time of inspection with no success.

Inspector's photos 15 and 16 provide an example of the sediment and runoff erosion occurring in the surrounding field and how the berm and diversionary structure on the west stopped the sediment and re-directed the runoff to the North or South.

07/12/2023 - Photo log attached shows all was completed and returned to previous condition. Continuous extreme rain made efforts to control stormwater constant until the pad was reclaimed. This location was turned over to the landowner and all equipment has been removed.

ECMC Decision:

ECMC
Representative:

OPERATOR COMMENT AND SUBMITTAL

Comment: Photo log attached shows all was completed and returned to previous condition. Continuous extreme rain made efforts to control stormwater constant until the pad was reclaimed. This location was turned over to the landowner and all equipment has been removed.

Photo log from pre-construction showing no evidence of migratory birds or their nests attached.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Ryan Dornbos

Signed:

Title: Petroleum Engineer

Date: 7/12/2023 5:30:06 PM

ATTACHMENT LIST

View Attachments in Imaged Documents on ECMC website (<http://ecmcweblink.state.co.us/>) - Search by Document Number.

Document Number	Description
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403459257	FIR RESOLUTION SUBMITTED
403459259	PHOTO LOG
403462621	PHOTO LOG

Total Attach: 3 Files