

This is an interim reclamation and stormwater inspection

On 8/16/2019, Reclamation Specialist Trujillo conducted an inspection at Sunburst Inc's State 1 location #318773 in Weld County, Colorado.

This inspection is also a follow-up inspection to #684904671 dated 11/03/2017, and #696101187 dated 7/29/2019 to document compliance for the following corrective actions:

603.f: Remove, manage & control weeds around wellsite, battery site, treater, & pit (banks & floor).

603.f: Remove trash behind gas engine

605.b.(7): Install wildlife screen @ heated treater stack

907.e: Remove/remediate stained soil @ South crude oil tank loadout

1002.f: Repair erosion degradation on the east end of location. Install or repair required BMPs

During this inspection, it was observed that:

- 1) Trash behind gas engine appears to have been removed. Corrective action appears to have been addressed.
- 2) Weeds/vegetation have not been removed from wellsite, battery site, treater and pit. Corrective action remains applicable.
- 3) Stained soils @ south crude oil tank loadout has not been removed or remediated. Corrective action remains applicable.
- 4) Stormwater erosion degradation on the east end of location remains. Corrective action remains applicable.
- 5) No wildlife protection screen observed on heated treater stack. Corrective action remains applicable.

New corrective actions observed on this inspection:

- 1) Disturbed areas west of the location due to oil and gas activities require reclamation.
- 2) Stormwater erosion on the fill slopes evident, will be included with the stormwater corrective action.
- 3) Riser observed on the north end of the tanks. Riser without required lockout/tagout. Riser is considered equipment not needed for production and needs to be removed.

Refer to the Good Housekeeping, Equipment, Reclamation and Stormwater sections of this inspection report for additional details.

Refer to the photo-documentation of the observed compliance issues attached to this report.

Any corrective action(s) from previous inspections that have not been addressed are still applicable.

A follow up on this site inspection will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.

Location

Overall Good:

Emergency Contact Number:

Comment:

Corrective Action:

Date: _____

Good Housekeeping:

Type	OTHER		
Comment:	Inspection #696101187 documented stained soil (oily waste) beneath the south crude oil tank loadout and required operator to remove and/or remediate soils in accordance with 907.e Stained soil beneath the south crude oil tank loadout has not been sufficiently removed and/or remediated. Operator appears to have placed clean soil on top to cover the stained soils. See photos 24-27. This corrective action remains applicable.		
Corrective Action:	Comply w/ Rule 907.e and remove and/or remediate stained soil beneath South crude oil tank loadout.	Date:	08/28/2019
Type	TRASH		
Comment:	Inspection #696101187 documented trash behind gas engine and required operator to comply with Rule 603.f. Trash appears to have been removed.		
Corrective Action:		Date:	
Type	UNUSED EQUIPMENT		
Comment:	Riser observed on the north end of the tanks missing required lockout/tagout or marking, and is considered unused equipment.		
Corrective Action:	Comply with Rule 603.f. Lockout/tagout riser by 8/31/2019. Remove riser by 9/29/2019	Date:	08/31/2019
Type	WEEDS		
Comment:	Inspection #696101187 observed weed encroachment at wellsite, battery site, treater, & pit (banks & floor) and required operator to remove, manage, & control weeds around wellsite, battery site, treater, & pit (banks & floor) in accordance with 603.f. Vegetation appears to have been mowed since prior inspections, however vegetation has not been removed per corrective actions. Vegetative establishment compromises the integrity and imperviousness of containment berms / pit, and is a potential fire hazard around equipment. See photos 8-10, 18-20. Corrective action has not been addressed and remains applicable.		
Corrective Action:	Comply with Rule 603.f and 905.d.(1). Remove, manage, & control weeds around wellsite, battery site, treater, & pit (banks & floor).	Date:	08/08/2019

Overall Good:

Spills:			
Type	Area	Volume	

In Containment: No

Comment:

Multiple Spills and Releases?

Equipment:			corrective date
Type: Bird Protectors	# 0		

Comment:	Inspection #696101187 documented that no wildlife protection screen on the heated treater stack, and required Operator to install wildlife screen per rule 605.b.(7). No wildlife protection screen appears to have been installed on heated treater stack. See photos 22-23. This corrective action remains applicable.		
Corrective Action:	Install wildlife screen per Rule 605.b.(7).	Date:	08/28/2019

Venting:

Yes/No			
Comment:			
Corrective Action:		Date:	

Flaring:

Type			
Comment:			
Corrective Action:		Date:	

Inspected Facilities

Facility ID: 242143 Type: WELL API Number: 123-09934 Status: PR Insp. Status: RI

Facility ID: 318773 Type: LOCATION API Number: - Status: AC Insp. Status: RI

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: _____

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND SEGREGATION _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____

Comment _____

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? _____

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? _____

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

1003b. Area no longer in use? _____ Production areas stabilized ? _____
 1003c. Compacted areas have been cross ripped? _____
 1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____
 Cuttings management: _____
 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____
 Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATION

Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT
 TRANSECT RESULTS OF DISTURBED AREA% _____
 TRANSECT RESULTS OF REFERENCE AREA% _____
 TOTAL % OF DESIRABLE VEGETATION COVER _____
 VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____

Comment There are areas to the west of the location (~0.5 acres) that are bare and unvegetated due to oil and gas disturbances from this location. Possilble SAR issues, these areas likely require soil sampling/testing and remediation. Additional reclamation required. See photos 15-17, and 29-32

Corrective Action Perform remediation/reclamation in accordance with COGCC 1000 series rules and establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local county NRCS. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Final Reclamation has passed. Revegetation activities shall be completed no later than 10/31/2019.

Date 10/31/2019

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: _____

Reminder: _____

Comment:

Well plugged _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____ Locations, facilities, roads, recontoured _____

Compaction alleviation _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage _____

Weeds present _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT
 TRANSECT RESULTS OF DISTURBED AREA% _____
 TRANSECT RESULTS OF REFERENCE AREA% _____
 TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment:

Corrective Action:

Date _____

Overall Final Reclamation _____

Well Release on Active Location

Multi-Well Location

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
	Fail					

Comment: [Inspection #684904671 and #696101187 documented stormwater erosion degradation on the east side of the location and required Operator to comply with Rule 1002.f.](#)
[Erosion degradation has not been repaired, and BMPs have not been installed or repaired. Additionally, erosion degradation and pedestal formations evident at fill slopes on the west end of the location. See photos 3-4, 6-7, 13-14.](#)
[Original corrective action and date remains applicable.](#)

Corrective Action: [Install or repair required BMPs. Comply w/Rule 1002.f.](#)

Date: 12/04/2017

Pits: NO SURFACE INDICATION OF PIT

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
402160893	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4924247
696200599	Inspector Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4924246