STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF MINERAL AND GEOLOGIC RESOURCES
3711 MIDDLEBROOK PIKE
KNOXVILLE, TENNESSEE 37921-6538
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Mining Facility Inspection Report

Inspector: Rebecca Lenz
Secondary inspector: Geoff Klein
Inspection start date and time: September 26, 2022 9:45 AM
Inspection end date and time: September 26, 2022 11:00 AM
NOTE: If inspection spanned multiple days, inspection may not have been continuous between start and end dates.
Facility location: 36.30421,-83.93873
Does this facility currently have an NPDES permit? Yes
NPDES permit number: TN0063606
NPDES Permit type: Individual
Inspection type: Compliance Evaluation Inspection (non-sampling) (CEI)
Was this an EPA 106 inspection? No

INSPECTION RESULTS: In Compliance

Site Observations

Criteria Applicable to All Inspections	Yes/ No / N/A
Facility has Permit	Yes
Site Currently Active	Yes
DMRs Submitted as Required	Yes
DMRs in Compliance	Yes
All Activity within Permit Boundary	Yes
Facility as Described in Permit	Yes
Sediment Basins as Planned	No
All Discharge Points Permitted	Yes
All Discharge Points Located Accurately	No
Wastewater Discharge Occurring	No
Storm Water Discharge Occurring	No
All Drainage Controlled through Basins or BMPs	Yes
Diversion Ditches Adequate	No
Stream Buffers Maintained	N/A

Inspection Narrative

TDEC inspectors conducted an inspection as part of the permit application review period. The site was not observed to be discharging at the time of inspection. This site was deemed in compliance at the time of inspection. This site needs to work on BMP maintenance and more adequately matching the site plans. The back area has been clear cut and has brush berms at the bottom/permit boundary. This area should be seeded and strawed. Until the grasses are fully growing, temporary BMPs, such as silt fences should be installed. Brush berms are not approved BMP measures. The back outslopes need to be stabilized with mulch, seed straw, or rock. Again, brush berms in this area are not approved BMPs and temporary BMPs such as silt fences should be installed until the area is stabilized. There is a hole in the berm that should also be closed up. Additionally we discussed on site that the back road should be stabilized with gravel. We attempted to look at the ponds 001 and 002 to check the outfalls. These ponds were not clearly defined and had large vegetation/trees growing in them. Both ponds should be cleared out and a clear outfall point should be defined for each of them as there is no way for the water that goes to these ponds would make it to the quarry pit. The entrance/exit road area is sloped to the public road. Water from the dust suppression or storms falls on this road, and there was evidence of it making it directly to the roadside ditch area. This ditch had sediment in it from the quarry. This area should have BMPs installed, a stormwater monitoring point, or diversion of water to the pond 001 should be considered. Pictures of these items will follow.

Images and/or maps:

36.33658 -84.14432 17.2227465785748 2022/09/26 09:54:01

Item 1:View of the area that has been clear cut. The area slopes away from the pit and thus needs stabilization measures such as seed/straw, mulch,rock, etc. Brush berms are not approved BMPs. Temporary BMPs should be installed such as silt fences until more permanent BMPs are installed.

36.33598 -84.1425 141.4650178978197 2022/09/26 10:01:16

Item 2: Road behind the back haul road that is on the back slope area. Again, brush berms are not apporved BMPs. This area should have more stabilization efforts for the loose material in the area/dirt within the road.

36.33599 -84.14244 101.10013986013986 2022/09/26 10:03:59

Item 3:Another view of the back slope area that needs additional stabilization measures.

36.33599 -84.14256 339.6291522062469 2022/09/26 10:04:02

Item 4: The haul road before the outslope area. The entire road needs to be stabilized with either gravel, mulch, seed/straw, etc.

36.33548 -84.14263 8.395221260514447 2022/09/26 10:05:21

Item 5: Back haul road area from Picture 4 that needs additional stabilization methods.

36.33623 -84.14631 346.9583952451709 2022/09/26 10:14:44

Item 6: Pond 002 area according to the map. Water from the pit gets pumped to it, and the pumps were not running at the time of inspection. This pond should be cleared out and more clearly defined on site with the defined outfall point to ensure adequate monitoring can be conducted.

36.33624 -84.14628 78.1279920212766 2022/09/26 10:14:46

Item 7: Culvert area that gets water from the quarry pit when water is pumped out.

36.33621 -84.14624 2.728825251225833 2022/09/26 10:17:57

Item 8: Pond 001 area that should be cleared out and more clearly defined on site with the defined outfall point to ensure adequate monitoring can be conducted.

36.33532 -84.14689 48.33860327570519 2022/09/26 10:24:40

Item 9: Sump prior to Pond 001 that should be cleaned out. BMPs need to be maintained better to comply with permit conditions.

36.33618 -84.14629 287.2887742959143 2022/09/26 10:13:41

Item 10: Water from the parking area makes it to Pond 001 through this hole in the berm.

36.33526 -84.14756 325.2920433996383 2022/09/26 10:28:24

Item 11: Another view at a way water gets to Pond 001. The Pond 001 size/location was not clearly defined. This pond needs to be cleaned out and more clearly defined with an outfall point.

36.33498 -84.14729 55.83125763125763 2022/09/26 10:31:49

Item 12: View of the entry/exit road that has evidence of dust suppression water flowing on it.

36.33494 -84.1473 238.33359133126936 2022/09/26 10:31:54

Item 13: Another view of the dust supression water flowing offsite. This water should be monitored in a potential stormwater monitoring point.

36.33482 -84.14764 68.98532942117897 2022/09/26 10:32:47

Item 14: Another view of the water at the entry/exit road.

36.33483 -84.1476 260.7681336593317 2022/09/26 10:33:10

Item 15: Picture showing the water making it offsite and to a ditch at the public road.

36.33483 -84.14765 286.2219637040484 2022/09/26 10:34:41

Item 16: View of the ditch. Sediment can be seen within the ditch that migrated there in the dust suppression water and/or stormwater from the site.

36.33483 -84.14765 241.63601074947746 2022/09/26 10:34:43

Item 17: Another view of the place the water makes it to from the entry/exit road. Sediment is clearly visible in the culvert. This water should be monitored prior to making it offsite.

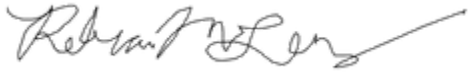
36.33481 -84.14756 272.188090349076 2022/09/26 10:33:19

Item 18: Another view of evidence of water migrating offsite carrying sediment.

Signature of facility representative:

Name of facility representative:
Ron Dilbeck

Signature of TDEC inspector



Name of TDEC Inspector:
Rebecca Lenz

The complete permit record, including inspection data, may be found on the TDEC Public Dataviewer here:

https://dataviewers.tdec.tn.gov/dataviewers/f?p=2005:34051:3506451321854:::34051:P34051_PERMIT_NUMBER:TN0063606

Alternately, you may scan the following QR code with your smartphone:

If you have any questions, you may contact your inspector. You may also contact the Mining Section at **865-594-6035** or **TDEC.Mining@tn.gov.**

Thank you for helping to protect Tennessee's waters!