



Dust Control Activities Monthly Site Review

Report Type:

- Investigation summary
- Abatement/remediation summary
- Project update
- Site Clearance report

Additional Reports/information to follow?

- Yes No

| | | |
|---|----------------------------|--|
| Client: City of Scandia | Contact: Kristina Handt | Date of Investigation November 23, 20115 |
| Project Name: Zavoral Mine Dust Emissions Monitoring | | Report Date: 11/25/2015 |
| Project Location: Zavoral Mine, Scandia MN | | Project # 4055-004 |

Project Description:
Dust control monitoring and oversight during aggregate mining and hauling operations

| Task/Item | Completed as per DCP | | | Notes/Recommendations |
|--------------------------------------|----------------------|----|-----|-----------------------|
| | Yes | No | N/A | |
| Haul Road | | | | |
| Paving - maintain first 300 feet | x | | | |
| Asphalt millings - main haul road | x | | | |
| Dust control application | x | | | |
| Watering - as needed to control dust | x | | | |
| Washing - at least 2x per day | | | x | |
| Sweeping - 1-2 times per week | x | | | |
| Tracking | x | | | |
| Records | x | | | |
| Excavation Area | | | | |
| Watering - as necessary | x | | | |
| Load equipment washed | | | x | |
| Hauling Operations | | | | |
| Covered trucks | x | | | |
| 15mph site speed | x | | | |
| No idle >15 minutes | x | | | |
| Trucks washed | | | x | |

Operations in compliance with Dust Control Plan? Yes No Other:

Findings/Recommendations/Actions:
Temp 35 degrees - wind WNW 5-10 mph. Haul road is well compacted and treated. While not a significant amount, dirt and dust are present on driveway and intersection and dust is being tracked down HWY 97. We did see visible airborne dust releases as trucks traveled on Highway 97 (see photo 10). Did not witness any sweeping activities but it does appear that the driveway and roadway were recently swept.

Remarks:
The environmental services provided by Indoor Environment Group's industrial hygienists, technicians and project managers for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. This is only a summary of work performed. Following or implementing the recommendations presented should not be considered final completion or closure of this project. Additional work may be necessary to correct current and/or future problems. No warranty is implied or intended.

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|--|----------------------------------|---------------------------|---------------|
| Summary Report Prepared/Submitted by: Dave Gutterud | | Summary Report Review by: | |
| Title: Director of Operations | Phone number: 651-779-4300 x6 | Title: | Phone number: |
| Signature | | Signature | |



Photo 01 - Haul Road



Photo 02 - Haul Road



Photo 03 - Haul Road



Photo 04 - Driveway



Photo 05 - Driveway



Photo 06 - Driveway



Photo 07 - Driveway



Photo 08 - Intersection



Photo 09 - Hwy 97



Photo 10 - Hwy 97



Photo 11 - Hwy 97