## DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

## **ACTIVITY REPORT: Self Initiated Inspection**

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FACILITY: Quikrete		SRN / ID: A2437			
LOCATION: 20 N PARK ST, C	OMSTOCK PARK	DISTRICT: Grand Rapids			
CITY: COMSTOCK PARK		COUNTY: KENT	·		
CONTACT: Jeremy Burt , Plan	t Manager	ACTIVITY DATE: 07/06/2015			
STAFF: April Lazzaro	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR			
SUBJECT: Unannounced inspection to include visible emissions readings of the sand dryer and short site visit.					
RESOLVED COMPLAINTS:					

Staff, April Lazzaro and Kaitlyn DeVries arrived in the area at 9:00 AM on July 6, 2015, to conduct visible emissions observations of the sand dryer stack. Observations made the previous week in the afternoon of July 1, 2015 indicated that emissions of sand were occurring at an unacceptable level, and sand was observed on vehicles at an adjacent property. (photos attached) Due to the time of day, AQD staff was unable to observe the stack from the correct position as required by EPA Method 9 for visible emissions. Therefore, we came back in the morning of July 6, 2015, and were able to achieve the correct position from an adjacent property.

After achieving an acceptable location to take the visible emissions readings, AQD staff began recording opacity readings via EPA Method 9 at 9:18 AM. See attached AQD Visible Emission Observation Form that documents a violation of the Permit to Install No. 74-80 Special Condition No. 13 and the Rule 301 20% opacity limit. The two highest 6-minute averages observed were 25% and 22% opacity. This is also a violation of Rule 910, improper operation of an air cleaning device. A violation notice will be sent.

Following these readings, we arrived on-site around 10:00 AM and met with Jeremy Burt who met with us right away, and notified his corporate office of our arrival. Staff stated that the purpose of the visit was to do an inspection of the sand dryer due to visible emissions, to introduce Kaitlyn as the new inspector for the facility, and to remind him that AQD is expecting information from John Kehlbeck of the Columbus office by July 14th.

Mr. Burt stated that the facility is planning a shut down this Friday to replace all the bags (324) in the dryer baghouse, finish the install of a new pulse jet timer and look for whatever issue is causing emissions. We agreed after discussion that the emissions appear to occur after the bags are pulsed, and the emissions that should fall out and be collected are instead being emitted. They are also going to look into the damper positions to make sure they are seating properly. The dryer baghouse pressure drop was  $\sim$ 9" H<sub>2</sub>O. The plant baghouse was 4.4" H<sub>2</sub>O. The pressure drop gauge for the plant baghouse did not have the alarm pins pegged like they had been in the past. Mr. Burt stated that they don't have issues with the plant baghouse.

Initially, AQD staff was not going to cite the facility in violation, however after returning to the vehicle and seeing the sand on the windshield for the approximately one hour inspection, and after input from supervisory staff it was determined that a violation will be cited as identified above. Photos were taken on July 1 and July 6 which are included with this report.

Staff called Mr. Burt to let him know of this change, and identified that since the facility will have 21 days to respond to the VN it should give them time to evaluate the baghouse performance following the repair/bag replacement this weekend. Staff asked Mr. Burt to evaluate the performance of the unit prior to responding to the letter. This letter will be addressed to Mr. Burt with a CC to Mr. Kehlbeck.

The facility was in non-compliance at the time of the inspection.

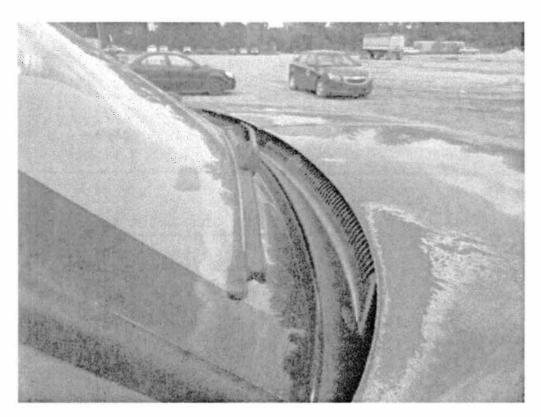


Image 1(Vehicle1): Sand on vehicle 1 adjacent property

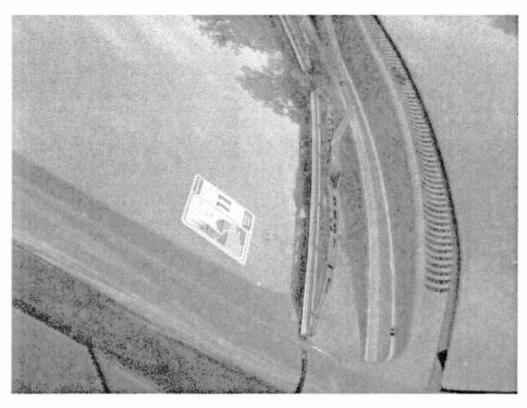


Image 2(Vehicle 2): Sand on vehicle 2 at adjacent property



Image 3(Vehicle 3): Sand on vehicle 3 at adjacent property

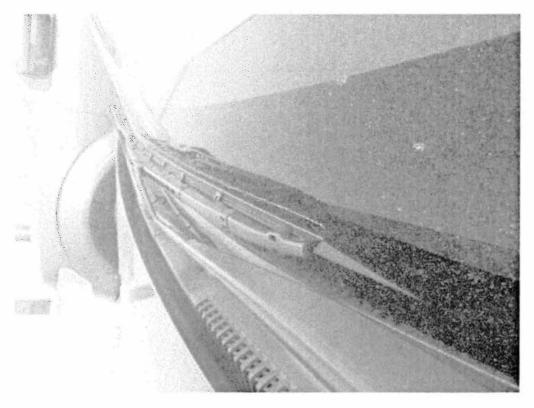


Image 4(AQD after inspection): Sand on AQD vehicle following July 6, 2015 inspection

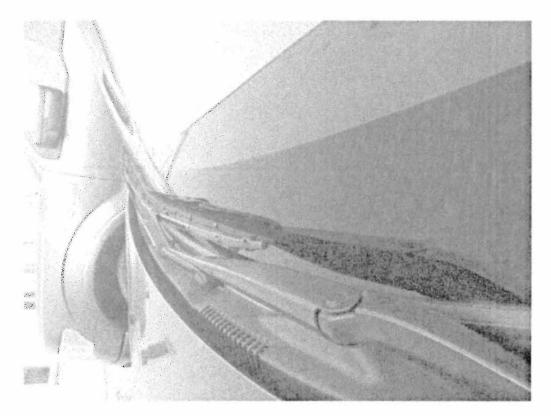


Image 5(AQD vehicle before): Clean AQD vehicle before inspection July 6 2015

NAME SUL Surgar

DATE 7-7-15

SUPERVISOR\_



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## VISIBLE EMISSION OBSERVATION FORM

Provided under authority of P.A. 451 of 1994.

	POSTAGE AND THE PROPERTY AND THE PROPERT				
Buikrete	COUNTY ESTABLISHMENT NUMBER A 2437				
EQUIPMENT LOCATION 20 N. POURK	DISTRICT DATE MM DD YY  GR 7 6 15				
CITY/TOWNSHIP	OBSERVER CERTIFIED BY / DATE				
Comestock Park	LAZZARO 4-15-15/ETA				
PROCESS EQUIPMENT OPERATING MODE	BACKGROUND COLOR SKY CONDITIONS				
differ tall bh stack oxerating	START JULIUSTOP Great START MAZY STOPHAZY				
CONTROL EQUIPMENT OPERATING MODE	WIND SPEED WIND DIRECTION				
bagnouse of.	START 0-5 STOP 1-5 START SET STOPSE				
DESCRIB DEMISSION POINT	START 75 STOP 75 START 60 STOP 60				
HEIGHT ABOVE GROUND LEVEL HEIGHT RELATIVE TO OBSERVER	SOURCE LAYOUT SKETCH DRAW NORTH ARROW				
140	DHAW NOTTH ARROW				
DISTANCE FROM OBSERVER DIRECTION FROM OBSERVER					
785- 80 yds 75E	X EMISSION POINT				
START TON PLUME STOP	X				
EMISSION COLOR PLUME TYPE CONTINUOUS					
START +an STOP   FUGITIVE   INTERMITTENT	sun () wind + \ cosition				
	Position				
WATER DROPLETS PRESENT IF WATER DROPLET PLUME  ATTACHED □ DETACHED	PLUME AND STACK OBSERVER'S POSITION				
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED	K140°X				
START 2 Stack du STOP same					
DESCRIBE BACKGROUND	SUN LOCATION LINE				
START green tree STOP Same					
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5	CONT. ON				
	BACK				
AVERAGE SUM OF ANY 24 CONSECUTIVE READINGS HIGHEST 6-MINUTE AVERAGE OPACITY 2ND HIGHEST 6-MINUTE AVERAGE OPACITY					
OPACITY = 24 25.42	2% 22,1%				
COMMENTS					

