

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N703526519

FACILITY: Carl Schlegel Inc.		SRN / ID: N7035
LOCATION: 16527 Wood Road, LANSING		DISTRICT: Lansing
CITY: LANSING		COUNTY: CLINTON
CONTACT: Mark Schlegel, Manager		ACTIVITY DATE: 08/12/2014
STAFF: Michelle Luplow	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled, announced compliance inspection		
RESOLVED COMPLAINTS:		

Inspected by: Michelle Luplow

Personnel Present: Mark Schlegel (markc@schlegelsand.com)

Purpose: Conduct an announced, scheduled compliance inspection by determining compliance with Schlegel Sand & Gravel's (Schlegel S&G) General Permit to Install (PTI) No. 319-01 for a nonmetallic mineral crushing facility.

Facility Background/Regulatory Overview: M. Schlegel said Schlegel Sand & Gravel is a non-metallic mineral crushing operation that primarily recycles concrete and asphalt. He said asphalt is crushed only during the winter when the material is brittle, and is a function of equipment limitations (slow speed crusher). Crushing asphalt during the summer would cause the asphalt to gum-up the equipment.

According to the construction dates of the equipment that was found onsite during the inspection, these are NSPS OOO-subject affected facilities because they were constructed after August 31, 1983, but before April 22, 2008. The others have unknown construction dates; therefore, NSPS applicability could not be determined.

Inspection: This was an announced scheduled compliance inspection. At approximately 1:30 p.m. on August 12, 2013 I met with Mark Schlegel, co-owner of Schlegel S & G. In a previous Schlegel Sand & Gravel inspection (portable site), I had provided M. Schlegel with a DEQ "Environmental Inspections: Rights and Responsibilities" brochure.

General Permit, Special Conditions, PTI No.319-01

I verified with M. Schlegel that the following equipment was present. We also verified that all the equipment onsite was labeled with the device ID and dimensions, thus meeting condition 2 of the Operational Parameters section of the permit:

Equipment	Make	Manufacture date	serial #	Device ID	Max. rated capacity (ton/hr)
Conveyor	shop built	2003	NA	C172	325 (24"x22')
Conveyor	shop built	2002	NA	C170	325 (36"x102')
Conveyor	shop built	2003	NA	C171	325(30"x80')
Feeder/JawCrusher	Cedar Rapids	NA	49133	CR001	285
Screen	Jay FSG5163	NA	34F0583	SCR001	(5'x16')
Conveyor	Hartman Fabco	5/2000	NA	C101	(42"x46")
Conveyor	shop built	NA	NA	C102	(30"x60')
Conveyor	shop built	NA	NA	C103	(54"x25')
Conveyor	Barber Green	NA	NA	C105	(24"x125')
Conveyor	Hartman Fabco	NA	NA	C106	(18"x45')
Feeder	Trío Fa 5220	5/1999	F2 99-00	F101	(52"x20')
Under crusher feeder	Trío 1F 4010	4/2000	001	F102	(40"x10)'
Screen	Diester BXHM 1412	NA	91021Y	SCR004	(4'x12')

Conveyor	shop built			C123	(30"x58')
Cone Crusher	Trio 4 1/4	2002	TC13 BC204	CR005	350
Conveyor				C230	
Conveyor				C201	
Conveyor				C200	

Conveyors C230 and C201 were added via a relocation notice to AQD dated 1-28-08, according to M. Schlegel's records. Conveyor C230 was added via a 7/23/12 notice to the AQD. Further investigation will take place to determine NSPS applicability for Conveyor C230 and address any performance tests that may need to occur on the unit with the company.

Visible Emission Limits

The crusher and associated equipment were not being operated during the inspection; therefore, 0% opacity was observed throughout the site. M. Schlegel said that under-crusher feeder F102 broke down 8/8/14, and since that time Schlegel S & G has not been crushing.

Pollution Control Equipment

Each crusher and screen is required to have water spray equipped. M. Schlegel went through the equipment list with me and we walked to each crusher and screen to verify the presence of water spray. Schlegel S & G is in compliance with this condition as well as Operational Parameters, condition 3. Although not required by permit, M. Schlegel also installed water spray at the end of Conveyor C201 to reduce fugitive dust emissions.

Material Processing/Recordkeeping

According to the MAERS 2013 submittal, Schlegel S & G had a material throughput of 65,247 tons. M. Schlegel explained that throughput for the entire year is done by calculating days operating and hours per day run. He said they average 175 tons/hr, and multiply by the number of hours in their work day to determine daily throughputs. He calculated that a typical 8.5 hour day would produce 1487 tons of product. If Schlegel S & G operated from March (their starting month this year) through July 31, every day of the week for 8.5 hours a day, they would have produced approximately 22,000 tons of product. The permit limits material throughput to 2,000,000 tons per year per site. Schlegel S & G is in compliance with material limits and also monitoring and recordkeeping requirements at this time.

Operational Parameters

The program for continuous fugitive emissions in Appendix A in the permit must be followed in order to operate the crushing facility.

Site Roadways/Plant Yard

M. Schlegel said that they keep a loader with a broom, a street sweeper, and a water truck onsite to control dust and clean up spills on the paved roadways/plant yard. He said the loader with a broom and the street sweeper are for the paved areas to clean up any spills. The water truck is used to calm dust on unpaved roadways. M. Schlegel also said they use gravel on unpaved areas to reduce mud/dust.

Truck Traffic

I was not able to verify compliance with the "Truck Traffic" fugitive dust condition because no trucks were being loaded while I was onsite.

Storage Piles

I saw no opacity being generated from the storage piles onsite.

Schlegel S & G is in compliance with the Operational Parameters conditions.

Allowed Modifications

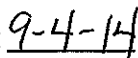
Schlegel S & G has submitted all notifications of modification or relocation, as required by permit, and is in compliance with these conditions at this time.

Compliance Statement: Schlegel Sand and Gravel is in compliance with all state and federal regulations and permit conditions at this time.

NAME



DATE



SUPERVISOR

