

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

N521139857

FACILITY: Stoneco of Michigan		SRN / ID: N5211
LOCATION: 6301 BELLEVIEW, FLINT		DISTRICT: Lansing
CITY: FLINT		COUNTY: GENESEE
CONTACT: Michael McIntosh, General Manager		ACTIVITY DATE: 05/17/2017
STAFF: Nathaniel Hude	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: Inspection due to fugitive dust attributed to facilities operations on N. Dort Highway which is approximately 920 feet east of facility property.		
RESOLVED COMPLAINTS:		

Inspection Report

**N5211- Stoneco of Michigan (formerly CYDI)
6299(on permit) 6301(in MACES) Bellview Ave
Flint, MI 48505**

Inspection Date:

5/17/17

Facility Contacts:

Michael McIntosh, General Manager, 810-577-1911, mmcintosh@mipmc.com
Sue Hanf, Environmental Manager, 734-854-2265, SHanf@mipmc.com

MDEQ AQD Personnel:

Nathan Hude – 517-284-6779, huden@michigan.gov

Facility Description:

Stoneco of Michigan (formerly known as CYDI of Michigan) which is a company that has an air permit for the purpose of controlling dust and particulate matter. The company receives aggregate and coal via railway and distributes via semi-truck. The facility is located between Dort Highway and I-475 with Carpenter Road to the north and E. Pierson Road to the south. A residential area is located 225 feet or less when measured by ArcView GIS to the west of the facility yard and to the east is a primarily industrial area. (see attached aerial image / map)

Applicable Regulations:

PTI 147-09

Previous Inspections:

10/7/16, Nathan Hude, inspection triggered by a complaint, fugitive dust concerns noted violation not written due to immediate commitment for compliance
8/27/12, Brian Culham, no issues noted
6/30/09, Brad Myott, no issues noted

Previous Violations:

none

Past Complaints:

10/6/16- Fugitive Dust, complainant located to the north of facility (this inspection was conducted due to the complaint)
8/29/08- Fugitive Dust, complainant located to the west of the facility

Number of Violations Found During this Inspection:

1. PTI 147-09 SC I.1. Visible Emissions in excess of 5%
2. PTI 147-09 SC III.1. Fugitive Dust Plan improperly maintained
3. R336.1901 Nuisance violation due to dust in business and residential area on N Dort Highway

Inspection Key Concerns:

Fugitive dust and track-out on Bellview Avenue and Carpenter Road

MAERS Reporting

None- this facility is a minor source not subject to any NSPS or MACT standards

MAERS Emission Unit List

none

Emission Unit Operational Status, Compliance Determination, and Description

EURAILUNLOAD- not operating, Compliance. Description: A rail yard terminal which handles aggregate and coal. Material is received by rail and truck, stored on site, and shipped out via truck.

Rail car unloading takes place in a two sided building enclosure with an underground hopper. Material is conveyed to on-site storage piles. Water sprays are located at various transfer points. Water is provided by an on-site well.

EUTRUCKTRAFFIC- operating, Non-Compliance due to fugitive dust and Track-out on Bellview and Carpenter. Description: Truck traffic for delivery of material products; truck and loader traffic associated with processing equipment, storage pile handling and loading delivery trucks. All commercial truck areas and unpaved road portions associated with the process area.

EUSTORAGE- operating, Compliance. Description: Open area stock piles of various material sizes and product types. Water spray of material products are used when necessary for material storage piles.

Inspection Summary

I stopped by the facility due to observing fugitive dust on North Dort Highway around RPM Parts Salvage Yard at approx. 1:15pm. The temperature was about 83°F, wind according to NOAA was SW at 17 gusting to 26, and sunny.

I initially stopped at the entrance and parked at the CSX driveway where I observed trucks entering Stoneco. The trucks were driving at what I estimated to be over 25 mph and were causing a cloud of dust on Belleview. Due to the wind the dust was visible for approx. 100 feet from the road. I took a video of some of the trucks entering. As I took notes, I noticed that trucks exiting the facility had greatly reduced their speed.

Just as I was getting in my truck to go to the Stoneco office, a CSX employee on his way in stopped and asked if I needed help. I informed him of who I was and why I was in the area. I then drove to the office where I introduced myself to an individual who directed me to Mike. I introduced myself to Mike and informed him of the reasoning of my visit.

I explained that fugitive dust from his site is visible on N Dort Highway which using ArcView GIS measures out to approx. 920 feet east of the Stoneco facility. Mike explained that he had attempted to have the contractor who provides calcium chloride perform an application for approx. 1 week but they have not done so. He also stated that Curbcoco had performed a sweep of Belleview on 5/9/17 but has had rained causing track out since that time. I informed Mike that due to my previous visit in October and the fugitive dust today, that I would be writing a violation for permit violations. Because I did not have a copy of the permit with me, I was unable to cite the specific special conditions.

Mike asked if I had any suggestions to improve the situation. I asked if he had attended our fugitive dust conference to which he replied no; we then discussed the following:

- The Stoneco yard is entirely open which allows truck and vehicle traffic to travel without restriction; I suggested restricting travel areas.
- If the use of water is going to be relied upon; I suggested increased sweeping and a possible truck wash station upon exiting the property.
- Based on what I witnessed with vehicle speed, I suggested enforcing a lower speed limit on the road and on site.

Before I departed, we also discussed the violation process.

This is a re-occurring issue with Stoneco with the fugitive dust problem discussed on 10/6/16 in Flint and a track out complaint at the Lansing facility identified as SRN P0103 located at 3275 N. Martin Luther King Blvd on 3/30/16.

Based on the multiple warnings and the same management oversight at both locations, escalated enforcement will be requested upon the next cited violation at either the Lansing or Flint locations.

NAME *A. [Signature]*

DATE *5/18/17*

SUPERVISOR *B. M. [Signature]*



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Weather observations for the past three days



Flint, Bishop International Airport

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Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
18	07:53	S 7	10.00	Fair	CLR	72	61	73	68	68%	NA	NA	29.73	1006.1			
18	06:53	S 6	10.00	Mostly Cloudy	BKN041 BKN049 BKN055	69	59			70%	NA	NA	29.72	1006.0			
18	05:53	S 9	10.00	Mostly Cloudy	SCT049 BKN060	70	59			68%	NA	NA	29.71	1005.6			
18	04:53	S 8	10.00	Fair	CLR	69	58			68%	NA	NA	29.71	1005.7			
18	03:53	S 8	10.00	Fair	CLR	71	57			61%	NA	NA	29.72	1005.7			
18	02:53	S 8	10.00	Fair	CLR	72	57			59%	NA	NA	29.71	1005.5			
18	01:53	S 8	10.00	Fair	CLR	73	56	81	73	55%	NA	NA	29.73	1006.0			
18	00:53	SW 8	10.00	Fair	CLR	75	55			50%	NA	NA	29.74	1006.3			
17	23:53	SW 15 G 24	10.00	Fair	CLR	75	54			48%	NA	NA	29.74	1006.4			
17	22:53	S 13	10.00	Fair	CLR	77	53			43%	NA	78	29.71	1005.3			
17	21:53	S 12 G 20	10.00	Fair	CLR	78	52			40%	NA	79	29.71	1005.5			
17	20:53	S 13	10.00	Fair	CLR	80	51			37%	NA	80	29.71	1005.4			
17	19:53	SW 12	10.00	Fair	CLR	81	52	85	81	37%	NA	80	29.72	1005.8			
17	18:53	S 16 G 32	10.00	Fair	CLR	83	50			32%	NA	81	29.71	1005.7			
17	17:53	SW 18 G 26	10.00	Fair	CLR	83	50			32%	NA	81	29.73	1006.1			
17	16:53	SW 18 G 26	10.00	Fair	CLR	85	56			37%	NA	84	29.74	1006.6			
17	15:53	S 14 G 28	10.00	Mostly Cloudy	BKN070	84	56			38%	NA	83	29.75	1006.9			
17	14:53	S 20 G 26	10.00	Partly Cloudy	SCT060	84	59			43%	NA	84	29.76	1007.1			
17	13:53	SW 17 G 26	10.00	Mostly Cloudy	BKN060	83	60	83	71	46%	NA	83	29.77	1007.5			
17	12:53		10.00	Partly Cloudy and Breezy	SCT055	81	59			47%	NA	81	29.78	1008.0			

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Air Temp	Dwpt	Max. Min.		Relative Humidity	Wind Chill (°F)	Heat Index (°F)	altimeter (in.) Pressure	sea level (mb)	Precipitation (in.)		
								6 hour							1 hr	3 hr	6 hr
16	06:53	SE 9	10.00	Light Rain	OVC110	53	46			77%	NA	NA	29.93	1013.3			
16	05:53	S 7	10.00	Light Rain	FEW060 BKN080 OVC095	52	47			83%	NA	NA	29.96	1014.3			
16	04:53	SE 9	10.00	Partly Cloudy	SCT110	51	47			86%	NA	NA	29.94	1013.7	0.02	0.44	
16	03:53	NE 3	2.50	Thunderstorm Heavy Rain Fog/Mist	BKN039 BKN065 OVC075	50	46			86%	NA	NA	30.01	1016.2	0.42		
16	02:53	S 7	10.00	Overcast	FEW075 OVC100	58	36			44%	NA	NA	29.96	1014.2			
16	01:53	SE 7	10.00	Fair	CLR	54	39	69	54	57%	NA	NA	29.96	1014.3			
16	00:53	SE 6	10.00	Fair	CLR	59	38			46%	NA	NA	29.95	1014.2			
15	23:53	SE 12	10.00	A Few Clouds	FEW120	61	38			43%	NA	NA	29.96	1014.3			
15	22:53	S 8	10.00	Fair	CLR	61	40			46%	NA	NA	29.98	1015.2			
15	21:53	S 7	10.00	Fair	CLR	62	40			44%	NA	NA	30.00	1015.9			
15	20:53	S 3	10.00	Fair	CLR	61	43			52%	NA	NA	30.01	1016.2			
15	19:53	S 5	10.00	Fair	CLR	67	40	74	67	37%	NA	NA	29.99	1015.7			
15	18:53	Vrbl 3	9.00	Fair	CLR	72	39			30%	NA	NA	30.00	1016.1			
15	17:53	S 3	10.00	Fair	CLR	72	37			28%	NA	NA	30.00	1015.8			
15	16:53	SE 6	10.00	Fair	CLR	73	37			27%	NA	NA	30.00	1016.1			
15	15:53	Calm	10.00	Fair	CLR	72	35			26%	NA	NA	30.02	1016.8			
15	14:53	Calm	10.00	Fair	CLR	71	36			28%	NA	NA	30.04	1017.4			
15	13:53	N 3	10.00	Fair	CLR	70	39	70	46	32%	NA	NA	30.06	1017.8			
15	12:53	NW 3	10.00	Fair	CLR	67	39			36%	NA	NA	30.08	1018.8			
15	11:53	Vrbl 5	10.00	Fair	CLR	64	39			40%	NA	NA	30.07	1018.5			
15	10:53	Calm	10.00	Fair	CLR	61	40			46%	NA	NA	30.09	1019.0			
15	09:53	Calm	10.00	Fair	CLR	59	40			49%	NA	NA	30.09	1019.2			
15	08:53	S 5	10.00	Fair	CLR	53	41			64%	NA	NA	30.09	1019.1			

National Weather Service
Southern Region Headquarters
Fort Worth, Texas
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