DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION ACTIVITY REPORT: On-site Inspection

N682359599		
FACILITY: Fritz Enterprises of Fli	int	SRN / ID: N6823
LOCATION: 5032 N Dort Hwy, F	LINT	DISTRICT: Lansing
CITY: FLINT		COUNTY: GENESEE
CONTACT: U. Sam Amer, Envir	onmental Manager	ACTIVITY DATE: 08/30/2021
STAFF: Daniel McGeen	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, sched	uled on-site inspection.	
RESOLVED COMPLAINTS:		

On 8/30/2021, the Michigan Department of Environment, Great Lakes, and Energy, (EGLE), Air Quality Division (AQD) conducted an unannounced, scheduled* on-site inspection of Fritz Enterprises of Flint.

* Scheduled does not mean that an inspection is pre-arranged, but rather that an inspection has been committed to during AQD's planning at the start of a new fiscal year.

Environmental contacts:

- Joseph H. Arvay, Vice President; 734-283-7272; joearvay@fritzinc.com
- U. Sam Amer, Corporate Environmental Manager; 734-362-3228; <u>amers@fritzinc.com</u>

Facility description:

This is a metal recycling facility, which specializes in autos and auto-related scrap.

Emission units:

Emission Unit or Flexible Group	Description	Permit to Install No.	Compliance Status
EU-SHREDDER	A scrap metal shredder equipped with a Smart Water Injection System	92-00B	Compliance
EU-ZBOX	"Picker shack," a metal separation process with a cyclone and wet scrubber	92-00B	Compliance
FG-SHREDDEROP	EU-SHREDDER, EU-ZBOX, magnetic drum and material handling and storage	92-00B	Compliance

* An *emission unit* is any part of astationary source which emits, or has the potential to emit, an air contaminant.

Flexible Groups:

Flexible Group** ID	Flexible Group Description	Associated Emission Unit IDs
FG- SHREDDEROP	Shredding Operation - Scrap metal shredder to a feed shaker, discharge conveyor, magnetic drum separator, a material separation system with a z-box separation process controlled by a cyclone and wet scrubber system, associated conveyors, material storage, and all associated process activities including but not limited to management of materials from the shredding operations.	EU-SHREDDER; EU- ZBOX

**A *flexible group* is used in a permit to install (PTI) or Renewable Operating Permit (ROP) to combine two or more emission units that have common or identical requirements.

Regulatory overview:

This facility is considered a true minor source. A major source has the potential to emit (PTE) of 100 tons per year (TPY) or more, of one of the criteria pollutants. Criteria pollutants are those for which a National Ambient Air Quality Standard exists, and include carbon monoxide, nitrogen oxides, sulfur dioxide, volatile organic compounds, lead, particulate matter smaller than 10 microns, and particulate matter smaller than 2.5 microns. It is considered a minor or "area source" for Hazardous Air Pollutants (HAPs), because it is not considered to have a PTE of 10 TPY or more for a single HAP, nor to have a PTE of 25 TPY or more for combined HAPs.

This facility is regulated by Permit to Install (PTI) No. 92-00B. The criteria pollutants of concern are particulate matter, and to a lesser degree, lead. The air toxics of concern are mercury, chromium VI, manganese, cadmium, copper, and nickel.

The original PTI No. 92-00, issued to S & S Metal Processing in 2000, was considered controversial, and both public comment periods and a public hearing were held. An Environmental Justice complaint was filed with the EPA Office of Civil Rights on 6/25/2001, by the Sugar Law Center. On 6/23/2006, the complaint was finalized. The Michigan Department of Environmental Quality (DEQ) was found to have taken the appropriate steps.

The current PTI, No. 92-00B, was issued on 2/15/2011. This permit revision allowed for replacement controls, following an explosion which damaged the scrubber.

Fee status:

This facility is not considered fee-subject, because it is not a major source for criteria pollutants, nor a major source for Hazardous Air Pollutants (HAPs), nor subject to federal New Source Performance

Standards, nor it subject to federal Maximum Achievable Control Technology standards. The facility is not required to submit an annual air emissions report via the Michigan Air Emissions Reporting System (MAERS).

Location:

Fritz Enterprises of Flint is located in an environmental justice (EJ) area, on the north side of Flint. AQD staff evaluated the area, during the writing of this report, by using the United States Environmental Protection Agency's USEPA's EJSCREEN. The surrounding area, within a 1-mile radius, ranks higher than state averages on a number of criteria which are Environmental Justice indicators. Please see the attached report, N6823 EJ Screen 2022_01_11.

The facility is situated along N. Dort Highway, about 3.5 miles north of I-69, and about 1.1 miles south of the intersection of E. Carpenter Road with N. Dort, as measured by me in Google Maps. It is several hundred feet east of I-475.

The land use is industrial to the immediate north, south, and west. There are some single family homes to the east and northeast, at a distance of about 750 feet, as measured by me in Google Maps. A trailer park is about 1,700 feet to the northeast, and another residential area is about 2,500 feet to the east. The nearest residence to the north is about 1,000 feet from the site. The nearest residence to the west is about 1,900 feet. The Flint River is to the east, at a distance of approximately 1,300 feet.

History:

As previously mentioned, under "Regulatory overview," the original PTI No. 92-00, issued to S & S Metal Processing in 2000, was considered controversial. Both public comment periods and a public hearing were held. An Environmental Justice complaint was filed with the EPA Office of Civil Rights on 6/25/2001, by the Sugar Law Center. On 6/23/2006, the complaint was finalized. The Michigan Department of Environmental Quality (DEQ) was found to have taken the appropriate steps.

S & S Metals Processing became known as Spooner Metals, LLC, some years ago. Fritz Enterprises, Inc. (FEI) subsequently purchased the site on 11/15/2006, as I understand it. Fritz Enterprises of Flint is a wholly owned subsidiary of FEI, according to their website.

Other than the 2001 Environmental Justice complaint and associated documentation, there have been no records of AQD receiving air pollution complaints about this facility, since a 4/9/1997 complaint of a fire at the site. That complaint was primarily concerned with surface water impacts, from water run-off. AQD has not received any complaints, while Fritz Enterprises of Flint has been operating here, i.e. from 11/15/2006 on up, and therehave not been any Violation Notices sent by AQD in that time.

Prior inspections identified in Michigan Air Compliance Enforcement System (MACES) database (2007 on up):

- 7/8/2020
- 7/16/2015
- 6/13/2013
- 11/17/2009

Most recent prior inspection:

On 7/8/2020, AQD conducted an inspection of Fritz Enterprises of Flint. This was not an unannounced inspection, because EGLE guidance to field staff at that time during the COVID-19 pandemic was to prearrange inspections with facilities, so that a plan could be developed to ensure safe pssage through a facility, while ensuring that the facility's on-site safety requirements were met.

During the 7/8/2020 inspection, the company reported to AQD that they had self-caught and selfcorrected an exceedance of a monthly average production rate, during April 2020, a few months prior to the inspection. A permitted monthly average hourly production limit of 60 TPH was exceeded by 3.16 tons. From 10.8 hours of operation over 2 days, the average monthly value was 63.16 TPH.

There were only 2 days of production for April in the records, which is described as an unusually low number of days and hours in operation, for a month. I was informed that in a normal month, this would have been averaged out by an additional day(s) of operation with lower production. I was informed that this was immediately brought to the attention of the operators when the exceedance was realized, and no subsequent exceedances of the tonnage limit have taken place. I was informed that no emission limits in the air permit were exceeded, and therefore there were no negative impacts offsite.

Although the exceedance by 3.16 tons of the 60 TPH production rate is an instance of noncompliance, AQD is using enforcement discretion to not cite this as a violation, for the following reasons:

- The exceedance was immediately corrected by the company, upon their self-discovery, and this provides resolution.
- No emission limits were exceeded as a result of the TPH exceedance, and so there were no negative impacts to the surrounding community.
- The 60 TPH monthly average limit was exceeded for only 10 hours of operation in the entire month, and the exceedance was by less than 4 TPH.
- Fritz Enterprises has not had a single prior air pollution violation, since they acquired this facility from the previous owners in 2006.

However, because of this past incident, AQD determined that it would be necessary to conduct another inspection of the facility, at some point during the new fiscal year which began on 10/1/2020. This is what led to today's unanounced inspection.

Most recent stack testing:

A stack test was required and conducted on 7/5-6/2011. The test results are listed in the table below:

Pollutant	Limit in PTI No. 92-00B	Test results	Results below limit?
PM	0.05 lbs/1,000 lbs of exhaust gases, calculated on a dry gas basis	0.0006 lbs/1,000 lbs of exhaust gas, calculated on a dry gas basis	Yes
РМ10	4.5 lbs/hr	0.098 lbs/hr	Yes
Mercury	0.0022 lbs/hr	0.000007 lbs/hr	Yes
Chromium VI	0.00029 lbs/hr	0.000007 lbs/hr	Yes
Lead	0.003 lbs/hr	0.0002 lbs/hr	Yes
Manganese	0.0023 lbs/hr	0.0002 lbs/hr	Yes

Safety equipment required:

Safety glasses, steel-toed boots, hard hats, and hearing protection are required. I also wore a high visibility safety vest, out of personal preference for conducting field work.

Per current EGLE guidance, I wore a disposable paper mask during the inspection today, from a COVID safety standpoint.

Odor evaluation:

Prior to arrival on 8/23/2021, I conducted an odor evaluation downwind of the facility. Weather conditions were 71 degrees F, mostly sunny, and humid, with winds which appeared to be out of a west northwesterly direction at 0-5 miles per hour. Steam from the auto shredder's use of water for emission control could be observed, rising upwards above the site.

Summary of results:

- At about 8:30 AM, I approached from the north, on N. Dort Highway. I turned east onto W. Boulevard Drive, a short distance south of the facility (please see attached map). I detected no odors along this road, part of which was underwater due to recent heavy rains. I turned around, and returned to N. Dort Highway.
- At 8:39 AM, I went north on E. Boulevard Drive. This road runs northeast, winding through parklands to the southeast of Fritz Enterprises of Flint.
- At 8:40 AM, on E. Boulevard Drive, along bends in the road near a park entrance, I detected a distinct and definite odors which I was unable to recognize, nor to assign a character to.
- At 8:41 AM, in Rolling Wood Manor, an apartment complex, no odors were detected.
- At 8:42 AM, in Rolling Wood manor, no odors were detected.
- At 8:43 AM, on E. Boulevard Drive, near where I previously detected odors, I noticed the same unidentifiable odor, only it was barely detectable.
- At 8:44 AM, I detected no odors, at the intersection of N. Dort Highway and E. Boulevard Drive.

Please see attached odor evaluation form, map of offsite odors detected, and 24-hour summary of weather data.

The 0 to 5 odor scale used by AQD is as follows:

Level	Description
0	Non-detect
1	Just barely detectable
2	Distinct and definite
3	Distinct and definite objectionable odor
4	Odor strong enough to cause a person attempt to avoid it completely
5	Odor so strong as to be overpowering and intolerable for any length of time

I was unable to identify the nature of the odors detected along E. Boulevard Drive, nor assign a character to them. Later, during the inspection of Fritz Enterprises of Flint, I could not detect these odors. Fritz is not the only industry in this area, and is not suspected of emitting these odors, at this time.

Arrival:

This was an unannounced inspection. Starting on 7/12/2021, EGLE guidance to field staff on conducting inspections during the COVID pandemic was as follows:

- Resume conducting inspections on an unannounced basis.
- Wear a mask, when conducting field work.
- · Ask if there have been any recent confirmed COVID infections upon arriving at a facility...

I arrived at the site at 8:46 AM. I was met by a security guard, and I asked if Mr. Joseph Arvay or Dennis Weaver were available. I was informed that Mr. Arvay was not available, and that Mr. Weaver was off of work for medical reasons. I was introduced to Mr. Sean Nagy, the new plant supervisor.

Mr. Nagy was not familiar with the air inspection process, and called Mr. U. Sam Amer, Corporrate Environmental Manager, who works out of a different location. Mr. Amer is responsible for a number of Fritz Enterpises facilities in Michigan, and across the United States. Because Mr. Nagy would not be familiar with all environmental data that I would need, Mr. Amer asked to be able to join us for this inspection. I agreed to this.

It would take some time for Mr. Amer to reach the site from his present location, so I prepared to leave the site for a couple hours. Before I did, I was careful to note the appearance of the metal shredder, which was currently operating. The shredder emitted no opacity, but there was a steam plume visible from the process, as expected, due to the water being used for dust control and for cooling. The steam plume was backlit by the sun. There was no opacity from the wet scrubber exhaust stack for the z-box system. There were no fugitive emissions observed from other parts of the metal processing plant. I also noted the status of the plant roadways, which were still muddy from rains on 8/28 and 29, and therefore dust-free. The shredding operation, FG-SHREDDEROP, appeared to be operating properly, from a visible emissions standpoint, when I left the site at 9:02 AM.

I did field work in areas nearby, and returned to the site at 11:20 AM. The only discernible difference between now and when I had left the site was that water had been applied in the paved parking area, and on the weigh scale, as a dust control measure. Those areas had been dry when I first arrived today. Applying water to paved areas is an accepted practice to prevent fugitive dust.

Inspection:

I met with Mr. Amer and Mr. Nagy, following my return to the site at 11:20 AM. Because plant workers would be shutting the plant down at 12 noon, for their lunch break, we began the walk through inspection promptly. Mr. Amer and Mr. Nagy accompanied me throughout the facility.

There were a couple of old appliances onsite to be shredded, today. I was informed that they process 95-97% automobiles, or auto-related scrap. Autos to be recycled are usually preprocessed offsite, and delivered to the recycle yard from certified suppliers, I was informed. Preprocessing requires the removal of all fluids, CFCs, mercury switches, and batteries. I have been shown that that they have a form for each car, to verify that it has had contaminants removed, like gasoline, auto batteries, etc., and that everything is inspected as it comes onsite.

My understanding is that the cars are then shredded and the ferrous metals are removed by magnets. "Fluff" is described in the PTI as "non-ferrous, non-metals, and waste materials." This can

come from dashboards, seats, etc. The nonmetallic materials are separated and landfilled. Nonferrous metals are brokered, to be further recycled.

EU-SHREDDER; PTI No. 92-00B:

The shredder is a hammermill, with a Smart Water Injection (SWI) system. The shredder intake has mats suspended by it, as a way to block any flying objects that might be thrown out of the shredder. The SWI system is used by the shredder for dust control, and to keep the machine cool. The mist is used to dampen the incoming material, as well as everything in the shredder chamber.

The hammermill discharges shredded materials into a vibratory feeder, which discharges to a conveyor, that goes to a feeder for the magnetic drum. Steel goes over the top of the drum, whereas non-ferrous materials drop out. The steel travels via conveyor to the inspection shanty, for non-conforming material to be identified and removed. Please see the discussion on the z-box in the section on EU-ZBOX, below. After the z-box, the ferrous metals are stockpiled to the east of the shredder. I was informed that they are sold as is.

Note: Although no fugitive dust emissions were obsered from the process, I was informed that material occasionally drops from the conveyor near the drum. Field staff should avoid standing underneath or close to this conveyor.

The non-ferrous materials that drop out after the magnetic drum include nonmetallic minerals, dirt, and fluff. They are picked up by a front end loader, and go to an Eddy current separation system. Non-metal materials fall out, while the metals go to another Fritz Enterprises site, Huron Valley Steel, in Belleville, to remove copper, aluminum, brass, and stainless steel The non-metals go to a landfill, I was told, where the "fluff" material can be used as alternate daily cover.

During today's inspection, I witnessed loads of scrap metal being put into the shredder by a large, claw-like mechanism. There were no fugitive dust emissions, although I witnessed steam, as expected. Heat is generated by the shredding of metal.

Operating data was collected on the shredder and SWI system:

- Mill current (electrical): 60%.
- SWI injection: 6.0 pounds per square inch (psi)
- Wetting: 5.0 psi
- Flow CPS: 0.22 amps
- 4200 volts
- · Analog: 231 amps

The permit does not set limits for water injection rate or the shredder motor current of the SWI System on EU-SHREDDER. Recordkeeping of the water injection rate and shredder motor current is discussed near the end of this inspection activity report.

EU-ZBOX, PTI No. 92-00B:

In the z- box, or "picker shack," copper and rubber are manually sorted out of the material stream. I was informed that additionally, the Z box vacuums the steel material. My understanding is that it is ducted to the still in use cyclone, which exhausts to a wet scrubber tower. I could not see any opacity from the exhaust stack for the wet scrubber, or from the cyclone, during today's inspection. They appeared to be operating in a satisfactory manner, based on the lack of opacity.

Per a 6/16/2009 letter from the company to AQD, the exhaust stack for SV-ZBOX was reported to be 71 feet, above the minimum 70.5 foot height required by PTI No. 92-00B SC EUZ-BOX VIII. STACK/VENT RESTRICTIONS 1. AQD's Lansing District Office has accquired a laser range finder, which can be used to confirm the stack height, during the next AQD inspection of this facility.

FG-SHREDDEROP, PTI No. 92-00B:

The metal separation system consists of a long conveyor and large magnetic field that removes recyclable metal from the fluff.

Mr. Amer pointed out the 3-sided enclosures for fluff storage, which are required by the air permit. This fluff material gets picked up by a loader, and put into a hopper, to go to another eddy current separator, I was informed. I observed a load of fluff get put into the hopper, and it was processed in the second eddy current separator, with no visible emissions. Pieces of aluminum were dropped into a metal bin, for recycling. The drop height for the conveyor and chute were minimal, as required by the Fugitive Dust Control Plan, and I did not see any fugitive dust.

Some fluff with metals in it goes to their Huron Valley Steel facility in Belleville, for further separation that they cannot do here. This fluff can then be used as alternate daily cover at landfills.

I saw HDPE plastic being stored onsite. This is shipped to a different site to be processed, I was told. It is my understanding that it arrives at Fritz Enterprises of Flint because it is used for shipping junk automobiles.

They have a 10,000 gallon capacity water truck which operates daily, I was informed, unless it is raining. I was informed that they keep a written log of dust conrol activies. Mr. Nagy photcopied their water usage log, please see attached document, and summary below.

Water log summary, for water applied to onsite roadways/yard area:

- 8-5 CT 5000 Full
- 8-6 CT 5000 Full
- 8-9 CT 4200 Full
- 8-16 CT 5000 Full
- 8-17 CT 5000 Full
- 8-18 CT 5000 Full
- 8-19 CT 5000 Full
- 8-20 CT 5000 Full
- 8-23 CT 5000 Full
- 8-24 CT 5000 Full
- 8-25 RAIN DAY
- 8-26 CT 4500 Full
- 8-27 CT 4500 Full PASS
- 8-30 SN RAIN DAY 3000 GAL

Today only 3,000 gallons were applied, I was told, which is less than normal. it was my impression that this was because of conditions already being somewhat damp from rain the previous two days.

Fritz Enterprises has a written plan to minimize the inclusion of undesired materials in the processing, such a fluids, CFCs, and mercury switches, as required by PTI No. 92-00B, Special Condition (SC) FG-SHREDDEROP III. PROCESS/OPERATIONAL RESTRICTIONS 8. These contaminants include but are not limited to fluids, Freon and/or other chlorofluorinated or halogenated chlorofluorocarbons, mercury-cotaining devices, asbestos, and batteries.

I mentioned the unidentifed odors which I detected to the south and east of the site this morning, and had not been able to assign a charcteristic to. i did not smell these odors onsite, today. Mr. Amer indicated that because they remove fluids from vehicles before they are shredded, they should not have anything in their process which should smell.

Facility recordkeeping:

Examples of facility recordkeeping were provided for 2020 and 2021 (please see attached).

Throughput limits for raw material processed are set by PTI No. 92-00B SC EU-SHREDDER II. MATERIAL LIMITS 1., and recordkeeping of throughput rate is required by SC FG-SHREDDEROP VI.

MONITORING/RECORDKEEPING 2. Records of SWI water injection rate and shredder motor current are required by EUSHREDDER VI. MONITORING/RECORDKEEPING 3. They appear to be keeping the required records, please see below..

Records were reviewed, as follows:

- The 195,000 tons production limit for EU-SHREDDER per 12-month rolling time period, as determined at the end of each calendar month, was always met in 2020 and 2021.
- The 750 tons per day permit production limit for EU-SHREDDER was always met in 2020 and 2021
- The 60 tons per hour (TPH) monthly average production limit for EU-SHREDDER was met for every month in 2021. It was met for all of 2020, except for the self-caught and self-corrected exceedance in April 2020, as was previously discussed in the 7/28/2020 inspection report.
- Water injection rate for the SWI System was provided in PDF form (attached), for June-August, 2021. It is being kept, as required. The permit does not set a limit for this parameter.
- Shredder motor current amps were set at a constant 500-600 amps, as recorded on production data sheets for 2020 and 2021. The permit does not set a limit for this parameter.

Conclusion:

There were no instances of noncompliance identified.

NAME Denich Com

DATE 2/10/2022 SUPERVISOR

BM



EJSCREEN Report (Version 2020)



1 mile Ring Centered at 43.059997,-83.673831, MICHIGAN, EPA Region 5

Approximate Population: 4,386

Input Area (sq. miles): 3.14

N6823 Surroundings (The study area contains 1 blockgroup(s) with zero population.)

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	92	90	80
EJ Index for Ozone	93	91	82
EJ Index for NATA [*] Diesel PM	88	85	75
EJ Index for NATA* Air Toxics Cancer Risk	92	89	77
EJ Index for NATA [*] Respiratory Hazard Index	92	89	75
EJ Index for Traffic Proximity and Volume	87	90	81
EJ Index for Lead Paint Indicator	93	93	92
EJ Index for Superfund Proximity	90	88	79
EJ Index for RMP Proximity	87	82	74
EJ Index for Hazardous Waste Proximity	93	87	82
EJ Index for Wastewater Discharge Indicator	98	98	98



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.



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Sites reporting to EPA				
Superfund NPL	0			
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	3			



EJSCREEN Report (Version 2020)



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Approximate Population: 4,386

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Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators	a service of	-					
Particulate Matter (PM 2.5 in µg/m ³)	7.74	8.11	31	8.4	24	8.55	25
Ozone (ppb)	42.9	43.1	32	43.8	24	42.9	51
NATA [*] Diesel PM (µg/m ³)	0.282	0.338	47	0.446	<50th	0.478	<50th
NATA [*] Cancer Risk (lifetime risk per million)	23	24	50	26	<50th	32	<50th
NATA [*] Respiratory Hazard Index	0.29	0.29	52	0.34	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	410	650	61	530	70	750	64
Lead Paint Indicator (% Pre-1960 Housing)	0.64	0.38	77	0.38	77	0.28	84
Superfund Proximity (site count/km distance)	0.055	0.15	44	0.13	47	0.13	46
RMP Proximity (facility count/km distance)	0.24	0.53	54	0.83	39	0.74	43
Hazardous Waste Proximity (facility count/km distance)	2.1	1.2	81	2.4	65	5	67
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	12	1.7	97	2.4	97	9.4	98
Demographic Indicators							
Demographic Index	78%	29%	95	28%	96	36%	94
People of Color Population	78%	25%	91	25%	91	39%	83
Low Income Population	78%	33%	96	30%	97	33%	97
Linguistically Isolated Population	0%	2%	63	2%	59	4%	45
Population With Less Than High School Education	24%	9%	93	10%	91	13%	84
Population Under 5 years of age	14%	6%	96	6%	96	6%	96
Population over 64 years of age	9%	16%	16	16%	19	15%	23

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

EGLE

Michigan Department of Environment, Great Lakes, and Energy Air Quality Division ODOR SURVEY FORM

Rev. 05/01/19

Received and the second se				
Source Name:	Fritz	Enterprises	of Flint	Inspector: Dan McGeen
Source Address	: 5032	N. Dort	Hwv.	Date: 8/30/2021
	Flint, MI	48505	Genesee Co.	
Sky Conditions:	Mostly	sunnv.	humid	Temperature: 71 degrees F
,	,	, ,		
Wind Speed:	0-5	Wind Direction	on: Out of	Source of Meteorological Data:
	mph		WNW	Car thermometer.
Location (attach	Time	Odor Scale	Characteristic	Comments: (Observations that will aid in the
map, if available)		(See below)	(See below)	determination of the source & properties of the odor)
1. N. Dort&	8:30	0		
W.Boulevard	AM			
2. W. Blvd.	8:31	0		Road flooded where railroad bridge
Drive by bridge	AM			passes over it. Turned around.
3. N. Dort&	8:39	0		
E.Boulevard Dr.	AM			
4. East	8:40	2	Unknown	Was unable to identify odor, or to assign
Boulevard Dr.	AM			a character to it.
5. Rolling	8:41	0		
Wood Manor	AM			
6. Rolling	8:42	0		
Wood manor	AM			
7. East	8:43	1	Unknown	Same odor as at 8:40 AM, only weaker.
Boulevard Dr.	AM			
8. N. Dort&	8:44	0		
E.Boulevard Dr.	AM			
Odor Scale				Odor characteristic examples:
0 - Non-Detect				Paint-like
1 - Just barely detecta	able			Musty, moldy
2 - Distinct and definit	e odor			Burnt, smoky
3 - Distinct and definit	e objectionat	ole odor		Tar-like, asphalt
4 - Odor strong enoug	gh to cause a	person to attempt	to avoid it completely	Cut grass
5 - Odor so strong as	to be overpov	wering and intolera	able for any length of ti	ime Citrus fruit

	Aug	21
DATE	HOURS	WATER
8-4	41	22001
8-5	6 ~	48001
8-6	6~	3600-
8-9	6 1	2600 -
8-10 5	,5 <	3000 -
8-11 5	.5 -	27001
8-12 5	× 1	4001
8-13 6	· · · ·	3700 /
8-16 4	,5 1	300 -
8-17 7	1 / 3	500 -
8-18 5.	51 3	000 /
8-19 5	.5 - 2	2800 <
8-20 6	1 3	000 -
8-75 5	.5 -	900 1
8-20 3	1 2	79001
8-27 4	1	400 /
8-28 5	.5 5	600 /
8-31 5	.51 2	700 /
2 + 90 0	.4. EAU.	
10	xo m	"ARL"
5	10-	100
	~	

6	1.2)	010
(WA	ter)	YULY Production
7-12 7-13	Houes 5.0 7.0	GALLONS 4000 6900
7-14	7.0	3800
7-15	7.0	4000
7-16	6.0	4200
1-19	7.0	3200
7-20	6.5	2200
1-21	4.0	5400
1-22	6.0	5200
7-23	7.0	5500
7.26	6.0	2800
7.27	6.0	3400
7-28	2.0	1000
7-29	6-0	3000
7 - 30	6.005.2	3800.
15 0 4 7 5	88.510 MI	20100 174
		3

JUNE Houas GALLOWS 6-3-21 5.5-15001 6-4-21 5.51 22001 6-7-21 6.0-3000 -6-8-21 3000-5.01 6-9-21 29001 5.01 1900 6-10-21 5.01 3200-6-11-21 5.01 800-6-14-21 2.51 17001 6-1521 6.01 16001 6-14-21 5.01 5300 -6-17-21 5.0-1100 -6-18-21 5.01 13001 6-21-21 3.01 20001 6-22-21 6.51 20001 6-23-21 3.51 28,200 YRL. 24001 6-24-21 5.01 30001 6-25-21 4.01 Or Sounds 4950 MIN. norts

of Flint N6823 manila RECEIVED Gen. 67410R AUG 3 0 2021 49128cR EGLE - AQD Lansing D.O. 46314 5000 Ful 8.5 Full 5000 E -6 4200 8 - 9 5000 FUL 8 -16 5000 8-17 Full CA Full Ct 5000 8 -18 8 5000 Full -19 Ct 5000 FUI 8-20-CT 5000 FUL 8-23 Ct 5000 Full 2.24 Ct 8-25 RAIN DAY 1500 FUL 8.26 (4 4500 FULL PASS 8-27 PAIN DAY 3000 GAL SN 8-30

FRITZ ENTERPRISES INC. - FLINT (N6823) PTI No. 92-00B UA EU-SHREDDER

DATE	HRS OF OPERATIONS	Days/MO OPERATIONS	THROUGHPUT Ton/Hr ≤ 60 S. C. II.1	THROUGHPUT TON/DAY ≤ 750 S. C. II.1	THROUGHPUT TON/MO	THROUGHPUT TON/YR ≤ 195,000 12-MO S. C. II.1	Water Injection Rate GPM S. C. VI.3	Shredder Motor Current Amps S. C. VI.3
January	89.8	17	44.37	234.35	3984	31488	3.12	500 - 600
February	87.0	17	42.23	216.12	3674	31112	3.30	500 - 600
March	90.0	17	46.66	247.00	4199	31629	6.32	500 - 600
April	83.3	20	49.12	204.60	4092	35042	9.03	500 - 600
May	65.5	14	49.88	233.36	3267	36922	5.64	500 - 600
June	82.5	17	52.67	255.59	4345	39866	7.82	500 - 600
July	88.5	15	45.93	271.00	4065	42415	11.00	500 - 600
August	1		1	#DIV/0!		40568		500 - 600
September	1	10.000	11	#DIV/0!	1	37468	1	500 - 600
October			1	#DIV/0!		33978	1	500 - 600
November			Harris and A	#DIV/0!	the second s	31539		500 - 600
December		100-00-00		#DIV/0!		27626		500 - 600

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3913

Notes:

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1) Thrupt tph = Monthly tons shredded/hrs of Op's.

2) Thrupt tpd = Monthly tons shredded/days of Op's.

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FRITZ ENTERPRISES INC. - FLINT (N6823) PTI No. 92-00B

EU-SHREDDER

2020

DATE	HRS OF OPERATI ONS	Days/MO OPERATIONS	THROUGHPUT Ton/Hr ≤ 60 S. C. II.1	THROUGHPUT TON/DAY ≤ 750 S. C. II.1	THROUGHPUT TON/MO	THROUGHPUT TON/YR ≤ 195,000 12-MO S. C. II.1	Water Injection Rate GPM S. C. VI.3	Shredder Motor Current Amp S. C. VI.3
January	69.5	14	54.59	271.00	3794	30379	5.20	500 - 600
February	76.0	17	53.29	238.24	4050	28494	5.44	500 - 600
March	72.5	17	50.79	216.59	3682	33074	4.60	500 - 600
April	10.8	2	63.16	339.50	679	30293	3.35	500 - 600
Мау	23.8	5	58.28	277.40	1387	28829	7.83	500 - 600
June	36.3	7	38.60	200.14	1401	27900	15.70	500 - 600
July	34.5	7	43.94	216.57	1516	26852	13.57	500 - 600
August	37.0	8	49.92	230.88	1847	26356	8.71	500 - 600
September	60.7	16	51.07	193.75	3100	27016	10.33	500 - 600
October	76.5	17	45.62	205.29	3490	29125	4.51	500 - 600
November	53.5	13	45.59	187.62	2439	30153	5.05	500 - 600
December	82.8	14	47.26	279.50	3913	31298	10.08	500 - 600

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	2019
Mont Thro	hly ughput
	2514
1	2141
	2896
	3460
	2851
1	2330
	2564
	2343
	2440
1	1381
1	1411
	2768

Notes:

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1) Thrupt tph = Monthly tons shredded/hrs of Op's.

2) Thrupt tpd = Monthly tons shredded/days of Op's.

Fritz Enterprises of Flint

SRN: N6823

Date: August 30, 2021

Map of odors detected in the area, prior to arrival onsite



Key to map:

- Location 4: Level 2 odor, unable to identify or assign a character to it.
- Location 7: Level 1 odor, same as above, but weaker.

The 0 to 5 odor scale used by AQD is as follows:

Level	Description
0	Non-detect
1	Just barely detectable
2	Distinct and definite
3	Distinct and definite objectionable odor
4	Odor strong enough to cause a person attempt to avoid it completely
5	Odor so strong as to be overpowering and intolerable for any length of time

Search Locations



Recent Cities Flint, MI (48504) (/weather/us/mi/flint/43.03,-83.74)

42.98 °N, **83.77** °W

Flint, MI Weather History ★ 🏦

20° BISHOP INTERNATIONAL AIRPORT STATION (/DASHBOARD/PWS/KMISWART19? CM VEN=LOCALWX PWSDASH) | CHANGE V

Log in (🕰 🥵 ... 🎝

HISTORY (/HISTORY/DAILY/US/MI/FLINT/KFNT)

- TODAY (/WEATHER/KFNT)
- HOURLY (/HOURLY/KFNT)
- 10-DAY (/FORECAST/KFNT)
- CALENDAR (/CALENDAR/US/MI/FLINT/KFNT)
- HISTORY (/HISTORY/DAILY/US/MI/FLINT/KFNT)
- WUNDERMAP (/WUNDERMAP?LAT=42.98&LON=-83.77)





Summary

Temperature (° F)	Actual	Historic Avg.	Record	
High Temp	82	78.1	96	
Low Temp	65	55.9	38	
Day Average Temp	73.79	67	-	
Precipitation (Inches)	Actual	Historic Avg.	Record	
Precipitation (past 24 hours from 11:53:00)	0.09	3.70	-	
Dew Point (° F)	Actual	Historic Avg.	Record	
Dew Point	63.42	-	-	
High	70	-	-	
Low	59	-	-	
Average	63.42	-	-	
Wind (MPH)	Actual	Historic Avg.	Record	
Max Wind Speed	14	-	-	
Visibility	10	-	-	
Sea Level Pressure (Hg)	Actual	Historic Avg.	Record	
Sea Level Pressure	29.14	-	-	
Astronomy	Day Length	Rise	Set	

Temperature (° F)	Actual	Historic Avg.	Record	•
Actual Time	13h 16m	6:59 AM	8:15 PM	
Civil Twilight		6:29 AM	8:44 PM	
Nautical Twilight		5:54 AM	9:19 PM	
Astronomical Twilight		5:17 AM	9:56 PM	
Moon: waning crescent		-	3:17 PM	

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.
11:53 PM	72 °F	70 °F	93 %	wsw	9 mph	0 mph	29.11 in	0.0 in
12:53 AM	71 °F	69 °F	93 %	wsw	6 mph	0 mph	29.12 in	0.0 in
1:53 AM	69 °F	68 °F	96 %	w	5 mph	0 mph	29.11 in	0.0 in
2:53 AM	71 °F	68 °F	90 %	w	3 mph	0 mph	29.11 in	0.0 in
3:53 AM	70 °F	67 °F	90 %	w	5 mph	0 mph	29.11 in	0.0 in
4:53 AM	69 °F	66 °F	90 %	wsw	5 mph	0 mph	29.12 in	0.0 in
5:53 AM	69 °F	65 °F	87 %	w	3 mph	0 mph	29.13 in	0.0 in
6:53 AM	71 °F	66 °F	84 %	W	6 mph	0 mph	29.13 in	0.0 in
7:53 AM	71 °F	65 °F	81 %	w	6 mph	0 mph	29.14 in	0.0 in
8:53 AM	73 °F	67 °F	81 %	w	7 mph	0 mph	29.13 in	0.0 in
9:53 AM	76 °F	66 °F	71 %	w	6 mph	0 mph	29.13 in	0.0 in
10:53 AM	77 °F	63 °F	62 %	VAR	5 mph	0 mph	29.12 in	0.0 in
11:53 AM	79 °F	61 °F	54 %	w	14 mph	0 mph	29.10 in	0.0 in
12:53 PM	81 °F	62 °F	52 %	w	14 mph	20 mph	29.09 in	0.0 in
1:53 PM	81 °F	61 °F	50 %	W	12 mph	0 mph	29.08 in	0.0 in
2:53 PM	82 °F	60 °F	47 %	WNW	14 mph	0 mph	29.06 in	0.0 in
3:53 PM	82 °F	60 °F	47 %	w	10 mph	0 mph	29.06 in	0.0 in
4:53 PM	81 °F	59 °F	47 %	w	7 mph	0 mph	29.05 in	0.0 in
5:53 PM	79 °F	59 °F	50 %	WNW	8 mph	0 mph	29.05 in	0.0 in
6:53 PM	75 °F	60 °F	60 %	w	5 mph	0 mph	29.05 in	0.0 in
7:53 PM	72 °F	60 °F	66 %	w	5 mph	0 mph	29.06 in	0.0 in

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.
8:53 PM	70 °F	60 °F	71 %	w	5 mph	0 mph	29.08 in	0.0 in
9:53 PM	65 °F	61 °F	87 %	w	5 mph	0 mph	29.08 in	0.0 in
10:53 PM	65 °F	59 °F	81 %	w	5 mph	0 mph	29.08 in	0.0 in
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