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

N157861593

FACILITY: GM LLC NAETC, formerly Flint Tool & Die		**SRN / ID:** N1578
LOCATION: 425 S Stevenson St, FLINT		**DISTRICT:** Lansing
CITY: FLINT		**COUNTY:** GENESEE
CONTACT: Alexandra Thibeault , Senior Environmental Leader, CCA Flint & NAETC		**ACTIVITY DATE:** 06/16/2021
STAFF: Daniel McGeen	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** MINOR
SUBJECT: Inspection of facility which was last inspected by AQD in 2014.		
RESOLVED COMPLAINTS:		

On 6/16/2021, the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD) conducted a scheduled inspection of General Motors LLC North American Engineering & Tool Center (GM LLC NAETC), which was formerly known as GM LLC, Flint Tool & Die. This facility was last inspected by AQD in 2014.

Facility environmental contact:

Alexandra Thibeault, Sr. Environmental Leader, CCA Flint & NAETC; 810-577-9003; alexandra.thibeault@gm.com

Emission units:

Emission unit*	Emission unit description	Michigan Air Pollution Control (MAPC) exemption rule; federal regulations, if any	Status at time of inspection
Maintenance paint booth	Maintenance paint booth with particulate filters, and exhaust to outside air	MAPC Rule 287(2)(c)	Compliance
Welders	Welding booths	MAPC Rule 285(2)(i)	Compliance/not operating
Welding-propane torch	Propane torch/portable cutting torch	Rule 285(2)(j)	Compliance/not operating
Welding "grill"	Natural gas-fired grill for heating metal	MAPC Rule 282(2)(a)(i)	Compliance/not operating
Metal stamping processes	A number of metal stamping processes, exhausting to the in-plant environment	MAPC Rule 285(2)(l)(i)	Compliance

Metal milling processes	**A number of metal milling processes, exhausting to the in-plant environment**	**MAPC Rule 285(2)(l)(vi)(B)**	**Compliance**
“Steam booth”	**Power wash booth, using water-based cleaning solution**	**MAPC Rule 281(2)(c)**	**Compliance/not operating**
Denatured alcohol wipes	**Denatured alcohol wipes used for die cleaning; emissions released only into the general, in-plant environment**	**MAPC Rule 285(2)(r)(iv)**	**Compliance**
Dock heaters	**Space heaters fueled by sweet natural gas, with a rated heat input capacity of not more than 50 million Btu/hr each**	**MAPC Rule 282(2)(b)(i)**	**Compliance**
Water heaters	**Water heaters fueld by sweet natural gas, with a rated heat input capacity of not more than 50 million Btu/hr each**	**MAPC Rule 282(2)(b)(i)**	**Compliance**
Electric heat treat	**Electrically heated furnace for heat treating of metals which does not involve molten materials, oil-coated parts, or oil quenching**	**MAPC Rule 282(2)(a)(i)**	**Compliance/not operating**
Tool room activities	**Metal working activities which exhaust only into the general in-plant environment**	**Rule 285(2)(l)(vi)(B)**	**Compliance/not operating**
Pattern shop	**Styrofoam, wood, and composite material machining operations, which exhaust into the general in-plant environment**	**Rule 285(2)(l)(vi)(B)**	**Compliance/not operating**
New fire pump	**A new internal combustion engine (ICE), with 1.3426 million Btu/hr heat input, which replaced an older ICE, in autumn 2019**	**MAPC Rule 285(2)(g); 40 CFR 63, Subpart ZZZZ**	**Compliance/not operating**
Diesel tank	**Diesel fuel tank**	**MAPC Rule 284(2)(d)**	**Compliance**

4 cooling towers	4 water cooling towers	MAPC Rule 280(2)(d)	Compliance
3 boilers	3 natural gas-fired boilers, each at 10.205 million Btu/hr	MAPC 282(2)(b)(i); 40 CFR Part 60, Subpart Dc	Compliance/not operating
Aerosol paint cans	Surface coating processes that use only hand held aerosol paint cans	MACP Rule 287(2)(b)	Compliance
Water-based part cleaners	Safety Kleen water-base paint cleaners which have an air/vapor interface of not more than 10 square feet	MAPC Rule 281(2)(h)	Compliance

***An *emission unit* is any process or process equipment which emits or has the potential to emit an air contaminant.**

Facility description:

This facility manufactures dies, for use at other GM plants. It also create weld tools.

Regulatory overview:

This facility is classified in the Michigan Air Compliance and Enforcement System (MACES) database as a minor source, although previous AQD staff have not identified the source as minor for specific individual pollutants. A *major source* has the Potential to Emit (PTE) of 100 tons per year of one or more of the *criteria pollutants*, that is, those pollutants for which a National Ambient Air Quality Standard exists. These 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.

For Hazardous Air Pollutants (HAPs), GM considers Flint Tool & Die to be an area source, rather than a major HAP source. As of the 2014 AQD inspection here, the environmental contact at that time, Ms. Lee Ann Slosar, informed me they had not conducted PTE calculations for either criteria pollutants or HAPs, because of how low they expect facility emissions to be. I concurred that this facility does not realistically have the PTE to be a major source, and further review is not needed.

There are no air permits currently associated with this facility, as their emission units are considered exempt from the requirement of Michigan Air Pollution COntrol (MAPC) Rule 201 to obtain a permit to install. The relevant exemptions are identified in the table on page 1 of this report. Please note that the exemption rules identified in the table are the current versions of the exemptions, and therefore the subrules are prefaced with "(2)". The current exemption rules were referenced, even though most of the exempt processes were installed under the pre-12/20/2016 versions of these exemption rules, to avoid listing rules from two different time periods in this report. If any future changes are made to the exempt processes onsite, it is the most current versions of the exemption rules which they will have to satisfy.

it is my understanding that GM considers 40 CFR Part 63, Subpart JJJJJJ, the area source boiler MACT, to not be applicable to the three boilers at the site, because they have gas-fired boilers.

However, the boilers are considered by GM to be subject to 40 CFR Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

The new fire pump onsite is subject to 40 CFR Part 63 Subpart ZZZZ, the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines. However, the AQD is only enforcing permit or rule requirements under this area source Maximum Achievable Control Technology (MACT) standard through the Title V program for major sources, and this facility is not a major source.

Fee status:

This facility is not considered fee-subject, because it is not a major source for criteria pollutants, nor for HAPs. However, it has boilers subject to a New Source Performance Standard (NSPS), 40 CFR Part 60, Subpart Dc, and a fire pump which is subject to the RICE MACT. After review of how AQD has treated other facilities located in Michigan, it is my determination that these factors by themselves do not warrant paying fees, nor do they warrant the facility being required to submit an annual report to the Michigan Air Emissions Reporting System (MAERS). Criteria pollutant emissions from this facility are not expected to exceed the thresholds in AQD's Operational Memorandum No. 13, which would indicate a need to be included in MAERS.

History:

Flint Tool & Die is one of two structures remaining at the site of what was once known as GM's "Chevy -in-the-Hole" plant, named for its location in a low lying area along the Flint River, in between downtown Flint and Kettering University. The other surviving structure at the site was donated to Kettering University. The rest of the buildings at this large GM complex were demolished, prior to the end of 2005. Flint Tool & Die is also known as Plant 38, a name which dates back to the operational days of the Chevy-in-the-Hole complex.

AQD most recently inspected this facility on 11/12/2014, and no instances of noncompliance were identified. There are no known air complaints associated with Flint Tool & Die, as far back as 2007, the extent of the AQD's current database, MACES..

Location:

This facility is located in what was once an industrial area of Flint, near Kettering University. The surrounding site, where the Chevy-in-the-Hole complex once stood, is a brownfield that has been converted to park and recreation space. As measured by me in Google Maps, the closest residence is 257 feet southwest of the plant, on Chase street, and the next closest residences are a little over 300 feet to the southwest of the plant, on Stevenson Street.

Safety apparel:

I wore safety glasses, steel-toed boots, a hard hat, and a high visibility safety vest. I had hearing protection, if needed. I wore a disposable paper mask, per EGLE guidance to field staff during the onging COVID pandemic.

Odor evaluation:

Prior to arrival on 6/16/2021, I drove around the block of land on which GM LLC NAETC sits, to check for odors. The time was approximately 8:50 AM, and I did not detect any odors, nor see any visible emissions. Weather conditions were partly sunny, 64 degrees F, and moderately humid, with winds 0-5 miles per hour (mph) out of the northeast.

Arrival:

During the ongoing COVID-19 pandemic, EGLE guidance to inspectors on conducting inspections, as of 6/16/2021, was as follows:

- pre-arrange inspections with facilities, to facilitate a plan to conduct the inspection while adhering to facility guidelines for safety.
- always wear a mask, when doing field work.
- Ask facilities if there have been any recent positive COVID cases at the facility.

Therefore, the time and date for this inspection had been pre-arranged with the facility.

I arrived in the parking lot at 8:56 AM. I could not see any visible emissions from the plant roofline, nor detect any odors. Weather conditions were partly sunny, 64 degrees F, and moderately humid, with winds 0-5 mph out of the northeast.

Upon arrival in the plant lobby, I underwent temperature screening, as a COVID precaution. I then viewed the GM introductory video to the site. Afterwards, I met with Ms. Alexandra Thibeault, Senior Environmental Leader, CCA Flint & NAETC. When I inquired, per EGLE procedures during the pandemic, if there had been any recent positive cases of COVID at the site, she explained that there had not been any.

The main change at the plant since the 11/12/2014 inspetion was the replacement of the existing internal combustion engine (ICE) for the fire pump with a new ICE, Ms. thibeault explained. She indicated it was below 10 million Btu/hr, therefore can be considered exempt from the requirement of MAPC Rule 201 to obtain a permit to istall under MAPC Rule 285(2)(g).

Inspection:

Ms. Thibeault accompanied me through the plant. Even with the ongoing pandemic, and slower business this year, the tool room at the plant has always been busy, I was informed.

Discussion of the emission units below corresponds to their order in the emission unit table at the start of this report, and does not necessarily reflect the order in which we saw them, during the inspection.

Maintenance paint booth, Rule 287(2)(c):

As seen through a window looking into the paint booth, an employee was about to begin painting. Particulate filters were in place on the back wall of the booth, it could be seen. We went outdoors at that time, to check for the presence of either visible emissions or odors. This booth exhausts through a cylindrical stack with a rain sleeve, near the northeast corner of the plant. Neither visible emissions or odors could be detected.

By the maintenance paint booth, I observed a hazardous waste storage container, with the lid in place.

Paint usage records are posted near the booth. Ms. thibeault emailed to me the day of the inspection year to date (YTD) monthly coating use records, please see attached. These records indicated their usage rate was far below the maximum 200 gallons of coatings, minus water, which is allowed under the Rule 287(2)(c) exemption. Please se summary table below.

2021 YTD maintenance paint booth coating records:

Month in 2021	Coating use, in gal.		Exemption met?

		Maximum allowed by Rule 287(2)(c), in gal.	
January	9.0	200	Yes
February	16.5	200	Yes
March	33.5	200	Yes
April	26.5	200	Yes
May	30	200	Yes

Welding; Rule 285(2)(i):

The welding units operate very infrequently, I was advised. They weld dies, but also do some welding of tube steel for rails and fencing, when repairs are needed. Their primary weld booth exhausts to the outside air, and their two smaller weld booths exhaust to the inside air.

Metal stamping processes; Rule 285(2)(l)(i):

They have a number of metal stamping processes, which would fall under the MAPC Rule 285(2)(l)(i) exemption for stamping metals. In the plant's southwest corner, I was shown 4 bue presses which are used for testing dies, before they are sent offsite, to receiving GM plants. They were not operating at the moment. If we approahed closer to them, sleeves would be required for arm protection, Ms. Thibeault explained. In the northwest corner of the plant were more presses, for larger dies.

Metal milling machines; Rule 285(2)(l)(vi)(B):

They have a number of metal milling processes, used in the manufacture of dies. The processes exhaust into the general in-plant environment, meeting the exemption crietria of MAPC Rule 285(2)(l)(vi)(B).

Among the processes in the milling area were a Bridgeport vertical milling machine, and die-making machines. One die-making machine was in operation. There were no visible emissions, whether of metal particulates, oil mist, or fog. The only particulates generated by this process appeared to be metal shavings which were too heavy to be airborne.

Their tooling area has a number of metal working processes, which exhaust into the general, in-plant atmosphere, some with their own dust collectors. I observed some tooling processes which were completely enclosed. I could not see any visible emissions.

Steam booth; Rule 281(2)(c):

This is a power wash booth, which may be utilized at various times during the manufacture of a die. It was not running, at the moment. It uses a waterborne cleaner, as I understand it. Detergent was stored in buckets, with the lids in place. I also observed used oil storage, in a drum, with the lid in place.

Tool room activities; Rule 285(2)(l)(vi)(B):

They have a repair shop for tools, I was shown. I observed a surface grinding unit with its own Torit cardtridge collector, and some processes which exhausted directly into the general, in-plant environment. They looked as if they would meet either the Rule 285(2)(l)(vi)(A) or (B) exemption criteria, for machining processes which are either used on a non-production basis, or which exhaust into the general, in-plant environment.

Pattern shop with milling activities; Rule 285(2)(l)(vi)(B):

Ms. Thibeault showed me the pattern shop, where large styrofoam sheets are milled, to create "die shapes," which I understand to be patterns for the dies themselves. The die shapes are then sent out to make molds, she explained. These Styrofoam milling or carving processes exhaust to a vacuum system, which routes particulate to a collector. The collector exhausts to the indoor plant environment, meeting the exemption criteria. The processes were not running at the moment, but I saw that the collected particulates are compressed into a block form by a densifier. They are then sent offsite for recycling.

Housekeeping at the facility appeared exceptionally good.

Fire pump; Rule 285(2)(g):

We observed the fire pump, which is powered by a 170 horsepower (hp) diesel engine, model number QSB6.7, serial number 74551473. It was not operating, at the time of the inspection. The ICE and the fire pump appeared clean. I was informed that annual maintenance was done in April, 2021. I saw that new oil filters had been installed on 4/6/2021. Ms. Thibeault provide elecytronic copies of recordkeeping in an email later today, please see attached.

They are keeping monthly records of the hour meter, pursuant to the requirements of 40 CFR Part 63, Subpart ZZZZ, the NESHAP for Stationary Reciprocating Internal Combustion Engines, also known as the RICE MACT. It should be noted that the AQD is only enforcing permit or rule requirements under this area source Maximum Achievable Control Technology (MACT) standard through the Title V program for major sources, and this facility is not a major source.

The records are monthly hour meter readings YTD for 2021, and are summarized below:

Date (month and year)	Hour meter start	Hour meter end	Total hours	Total hours for maint. and testing	Total other non-emerg. hours	Total hours for emerg. use (power outage)	Total yearly non-emerg. hours
Jan. 2021	25.97	28.01	2.04	2.04	0	0	2.04

Feb. 2021	28.01	30.03	2.02	2.02	0	0	2.02
March 2021	30.03	32.52	2.49	2.49	0	0	2.49
April 2021	32.52	35.23	2.71	2.71	0	0	2.71
May 2021	35.23	37.31	2.08	2.08	0	0	2.08
June 2021	37.31	TBD*	TBD*	TBD*	0	0	TBD*

***TBD = To be determined**

Total Non-emergency hours (engine maintnenance and testing and other non-emergemcy hours were below the maximum allowed 100 hours in a calendar year, so far. Other non-emergency hours were below the maximum allowed 50 hours in a calendar yar, so far. All hours of operation YTD were reported to be for weekly security testing.

This ICE is considered by GM LLC to be exempt from the requirement of MAPC Rule 201 to obain a permit to install, under the MAPC Rule 285(2)(g) exemption for ICEs with a maximum rated heat input capacity of 10 million Btu/hr. The rated capacity of this new ICE is 1.3426 million Btu/hr, Ms. Thibeault has informed me.

There is a large water tank near the fire pump building, but it is empty, and used for storage, Ms. Thibeault explained. They have city-supplied water available.

Three natural gas-fired boilers; Rule 282(b), 40 CFR 60, Subpart Dc:

I was shown the three natural gas-fired boilers. They each have a rated heat input capacity of 10.205 mmBtu/hr. None were operating right now, as they were shut down for the season, Ms. Thibeault explained.

Ms. Thibeault emailed to me later this same day copies boiler recordkeeping (please see attached). They keep records of the boilers and their daily fuel usage, to comply with the New Source Performance Standards (NSPS), Subpart Dc. The recordkeeping requirement appears to be Section 60.48c(g)(1). YTD fuel usage is summarized below:

Date (month and year)	Hour meter start	Hour meter end	Total hours	Total hours for maint. and testing	Total other non-emerg. hours	Total hours for emerg. use (power outage)	Total yearly non-emerg. hours
Jan. 2021	25.97	28.01	2.04	2.04	0	0	2.04
Feb. 2021	28.01	30.03	2.02	2.02	0	0	2.02

March 2021	**30.03**	**32.52**	**2.49**	**2.49**	**0**	**0**	**2.49**
April 2021	**32.52**	**35.23**	**2.71**	**2.71**	**0**	**0**	**2.71**
May 2021	**35.23**	**37.31**	**2.08**	**2.08**	**0**	**0**	**2.08**
June 2021	**37.31**	**TBD***	**TBD***	**TBD***	**0**	**0**	**TBD***

***TBD = To be determined**

Miscellaneous:

I was shown their carpenter shop. The processes there for working with wood looked as if they would meet either the Rule 285(2)(l)(vi)(A) or (B) exemption criteria, for wood working processes which are either used on a non-production basis, or which exhaust into the general, in-plant environment. A hazardous waste storage container was observed by me, and it had the lid in place.

Conclusion:

I could not find any instances of noncompliance. The housekeeping in the plant appeared exceptionally good. I left the site at 10:20 AM.

NAME _____ DATE 1/24/2022 SUPERVISOR BM

Monthly Emergency Engine Hour Meter Reading Form

Emergency Engine Name: Fire Pump Engine Diesel - New

Emergency Engine Model Number: QSB6.7

Emergency Engine Serial Number: 74551473

Date (month / year)	Person Completing Form	Hour Meter Start	Hour Meter End	Total Hours	Total Hours for Maintenance and Testing Hours	Total Other Non-emergency Hours	Total Hours for Emergency Use (power outage)	Total Non-Emergency Hours for the Year	Comments
Jan-21	A. Thibeault	25.97	28.01	2.04	2.04	0	0	2.04	Weekly security testing
Feb-21	A. Thibeault	28.01	30.03	2.02	2.02	0	0	4.06	Weekly security testing
Mar-21	A. Thibeault	30.03	32.52	2.49	2.49	0	0	6.55	Weekly security testing
Apr-21	A. Thibeault	32.52	35.23	2.71	2.71	0	0	9.26	Weekly security testing
May-21	A. Thibeault	35.23	37.31	2.08	2.08	0	0	11.34	Weekly security testing
Jun-21		37.31				0	0	11.34	Weekly security testing
Jul-21		0				0	0	11.34	Weekly security testing
Aug-21		0				0	0	11.34	Weekly security testing
Sep-21		0				0	0	11.34	Weekly security testing
Oct-21		0				0	0	11.34	Weekly security testing
Nov-21		0				0	0	11.34	Weekly security testing
Dec-21		0				0	0	11.34	Weekly security testing
								11.34	

Total Non-emergency hours (Engine maintenance and testing AND Other Non-emergency hours) cannot exceed 100 hours in a calendar year

Other Non-emergency hours cannot exceed 50 hours in a calendar year

Many facilities have permit requirements or permit exemptions for emergency generators based on limiting the hours of total run time - In many cases this is 500 hours - Check permit and permit exemptions

NAETC

Monthly Boiler Natural Gas Usage 2021

	Boiler 1 (mmBTU)	**Boiler 2 (mmBTU)**	**Boiler 3 (mmBTU)**
January	1.29	1,882	1,475
February	0	2,138	1,201
March	0	1,881	648
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0

NAETC

Maintenance Paint Booth Material Usage Log 2021

Date	Paint or Thinner	Quantity (gal)
1-Jan		
2-Jan		
3-Jan		
4-Jan		
5-Jan	Paint	1.5
6-Jan		
7-Jan		
8-Jan		
9-Jan		
10-Jan		
11-Jan		
12-Jan		
13-Jan	Paint	0.5
14-Jan	Paint	0.5
15-Jan	Paint	0.5
16-Jan		
17-Jan		
18-Jan		
19-Jan		
20-Jan	Paint	0.75
21-Jan	Paint	0.5
22-Jan	Paint	1
23-Jan	Paint	0.5
24-Jan		
25-Jan	Paint	0.25
26-Jan	Paint	1.5
27-Jan	Paint	1
28-Jan	Paint	0.5
29-Jan		
30-Jan		
31-Jan		

Monthly Totals (gal)		Compliant?	
January	9	200	Y
February	16.5	200	Y
March	33.5	200	Y
April	26.5	200	Y
May	30	200	Y
June	0	200	Y
July	0	200	Y
August	0	200	Y
September	0	200	Y
October	0	200	Y
November	0	200	Y
December	0	200	Y

NAETC

Maintenance Paint Booth Material Usage Log 2021

Date	Paint or Thinner	Quantity (gal)
1-Feb		
2-Feb	Paint	1.5
3-Feb		
4-Feb		
5-Feb		
6-Feb		
7-Feb		
8-Feb		
9-Feb		
10-Feb		
11-Feb		
12-Feb		
13-Feb		
14-Feb		
15-Feb		
16-Feb		
17-Feb		
18-Feb		
19-Feb	Paint	0.5
20-Feb		
21-Feb		
22-Feb	Paint	3
23-Feb	Paint	3
24-Feb	Paint	2
25-Feb	Paint	2.5
26-Feb	Paint	4
27-Feb		
28-Feb		

NAETC

Maintenance Paint Booth Material Usage Log 2021

Date	Paint or Thinner	Quantity (gal)
1-Mar	Paint	2.5
2-Mar	Paint	2
3-Mar	Paint	2
4-Mar	Paint	1.5
5-Mar	Paint	0.25
6-Mar		
7-Mar		
8-Mar	Paint	0.5
9-Mar	Paint	0.5
10-Mar	Paint	3
11-Mar	Paint	1
12-Mar	Paint	0.75
13-Mar		
14-Mar		
15-Mar	Paint	1.5
16-Mar	Paint	1
17-Mar	Paint	1
18-Mar	Paint	1
19-Mar		
20-Mar		
21-Mar	Paint	1
22-Mar		
23-Mar	Paint	1
24-Mar	Paint	1
25-Mar	Paint	2
26-Mar	Paint	2
27-Mar	Paint	2
28-Mar		
29-Mar	Paint	1
30-Mar	Paint	2
31-Mar	Paint	3

NAETC

Maintenance Paint Booth Material Usage Log 2021

Date	Paint or Thinner	Quantity (gal)
1-Apr		
2-Apr		
3-Apr		
4-Apr		
5-Apr		
6-Apr	Paint	1
7-Apr	Paint	1
8-Apr		
9-Apr	Paint	0.5
10-Apr		
11-Apr		
12-Apr	Paint	0.5
13-Apr	Paint	1
14-Apr	Paint	1.5
15-Apr	Paint	1.5
16-Apr		
17-Apr		
18-Apr		
19-Apr	Paint	1
20-Apr	Paint	1
21-Apr	Paint	3.5
22-Apr		
23-Apr	Paint	1
24-Apr		
25-Apr		
26-Apr	Paint	2
27-Apr	Paint	2
28-Apr	Paint	4
29-Apr	Paint	3
30-Apr	Paint	2

NAETC

Maintenance Paint Booth Material Usage Log 2021

Date	Paint or Thinner	Quantity (gal)
1-May		
2-May		
3-May	Paint	0.5
4-May	Paint	0.25
5-May	Paint	3
6-May	Paint	0.5
7-May	Paint	3
8-May	Paint	0.25
9-May		
10-May		
11-May		
12-May		
13-May	Paint	2
14-May	Paint	2
15-May		
16-May		
17-May	Paint	4
18-May		
19-May	Paint	2
20-May	Paint	2
21-May	Paint	2
22-May		
23-May		
24-May	Paint	2
25-May	Paint	2
26-May	Paint	1
27-May	Paint	0.5
28-May	Paint	3
29-May		
30-May		
31-May		