



VIA CERTIFIED MAIL

October 11, 2017

Mr. Todd Zynda, Environmental Engineer
Michigan Department of Environmental Quality
Air Quality Division
3058 W. Grand Boulevard
Suite 2300
Detroit, MI 48202

RE: Detroit Renewable Power – Response to Violation Notice dated September 20, 2017

Dear Mr. Zynda:

This correspondence is Detroit Renewable Power's response to the Violation Notice (VN) dated September 20, 2017 regarding odors allegedly emanating from DRP's operation on September 10, 2017. Inspections conducted by MDEQ-AQD reportedly found a moderate to strong (level 3 to 4) garbage odor impacting nearby neighborhoods.

The following is in response to the violation notice: DRP takes odor management very seriously and remains diligent in operating its facility according to the Consent Judgment (CJ) issued on October 20, 2014. As you know, the CJ requires DRP to have an Odor Management Plan (OMP) which requires review and recordkeeping of odor abatement activities on a daily, weekly, and monthly basis. These practices are intended to ensure conformance with the OMP to mitigate odors from the facility.

Since the beginning of the summer, DRP management and personnel have placed special emphasis on minimizing the potential for objectionable odors, including increased emphasis on general housekeeping and diligently implementing all odor management practices. These efforts have been boosted by the fact that DRPs boilers have experienced very smooth and consistent operation, which greatly helps DRP manage its fuel inventory.

In addition, the daily inspections for September 10, 2017 found the municipal solid waste conveyors and the overhead doors operating properly. Daily inspections also found the odor spray system to be working correctly at the tipping floor roof, the refuse derived fuel (RDF) area, the alleyway door, the north alley door, the south alley door, the municipal solid waste (MSW) pile, the east tipping floor, the west tipping floor, and the stack systems. In addition, the MSW roof fans were working properly and the property roadways were swept with the sweeper truck. In summary, all appropriate odor management practices were followed on the day noted.

Moreover, odor surveys (attached) were conducted by our Plant Manager and our Safety Specialist for that date, as described below.

Extensive odor surveys were conducted at approximately 10:45 AM and 12:20 PM on Sunday, September 10th. These observations were made during a significant portion of the times listed in the MDEQ notice. Any objectionable odors detected were noted.

10:45 AM

<u>Location</u>	<u>Odor Scale</u>	<u>Odor Characteristic</u>	<u>Comments</u>
Ferry & I-75	1	Trash	Barely Noticeable
Warren and St. Antoine	1	Citrus	
John R. and Garfield	2	Grass	Mowing in area
Ferry and Russell	1	Trash	Less than 100' distance
Ferry and Chrysler Serv. Dr.	2	Tar	Road Work

12:20 PM

<u>Location</u>	<u>Odor Scale</u>	<u>Odor Characteristic</u>	<u>Comments</u>
Science Center	2	Tar	Freshly re-finished Parking Lot
Science Center	2	Sewer Gas	Coming from Storm drains
Farnsworth & John R	2	Sewer Gas	Sewers and Storm Drains
Art Center	2	Sewer Gas	Sewers and Storm Drains

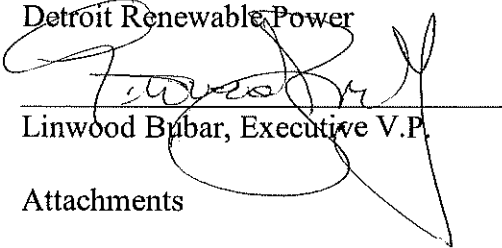
As you can see, although slight trash odors were detected adjacent to the plant boundary the prevailing odors downwind from the plant were sewer gas odors. The sewer gas odors detected are quite different from trash odors and are not attributable to DRP's operations. Therefore DRP does not agree that a violation of Rule 901 due to DRP's operations occurred on September 10, 2017.

DRP appreciates the MDEQ's assistance in its ongoing efforts to minimize odor impact. In order to enable DRP to respond most effectively to odor concerns, we ask that MDEQ notify Damian Doerfer, Director of EHS at (313) 269-2806 and ddoerfer@detroitrenewable.com as soon as possible with all essential details when any odor complaint potentially relating to DRP is received. This will allow DRP to immediately investigate and potentially respond to the complaint and report the results back to MDEQ.

If you have questions concerning this response, please feel free to contact Damian Doerfer at (313) 269-2806.

Sincerely,

Detroit Renewable Power



Linwood Brubar, Executive V.P.

Attachments

WEEKLY Environmental Documentation - must keep for five years

ROP-Form-010
Revision 2
04/12/2017

Odor Management - Weekly Odor Survey

Recordkeeping for the Odor Management Plan required by the Consent Judgement dated October 21, 2014.

Instructions:

1. Conduct a weekly odor survey upwind and downwind of the facility (April through October).
2. Document all of the required information below.
3. If odors are observed, initiate necessary actions to determine the cause and correct issue.
4. Contact your Supervisor if odors are observed.
5. Submit completed forms to Environmental Manager.

Complete this section each week

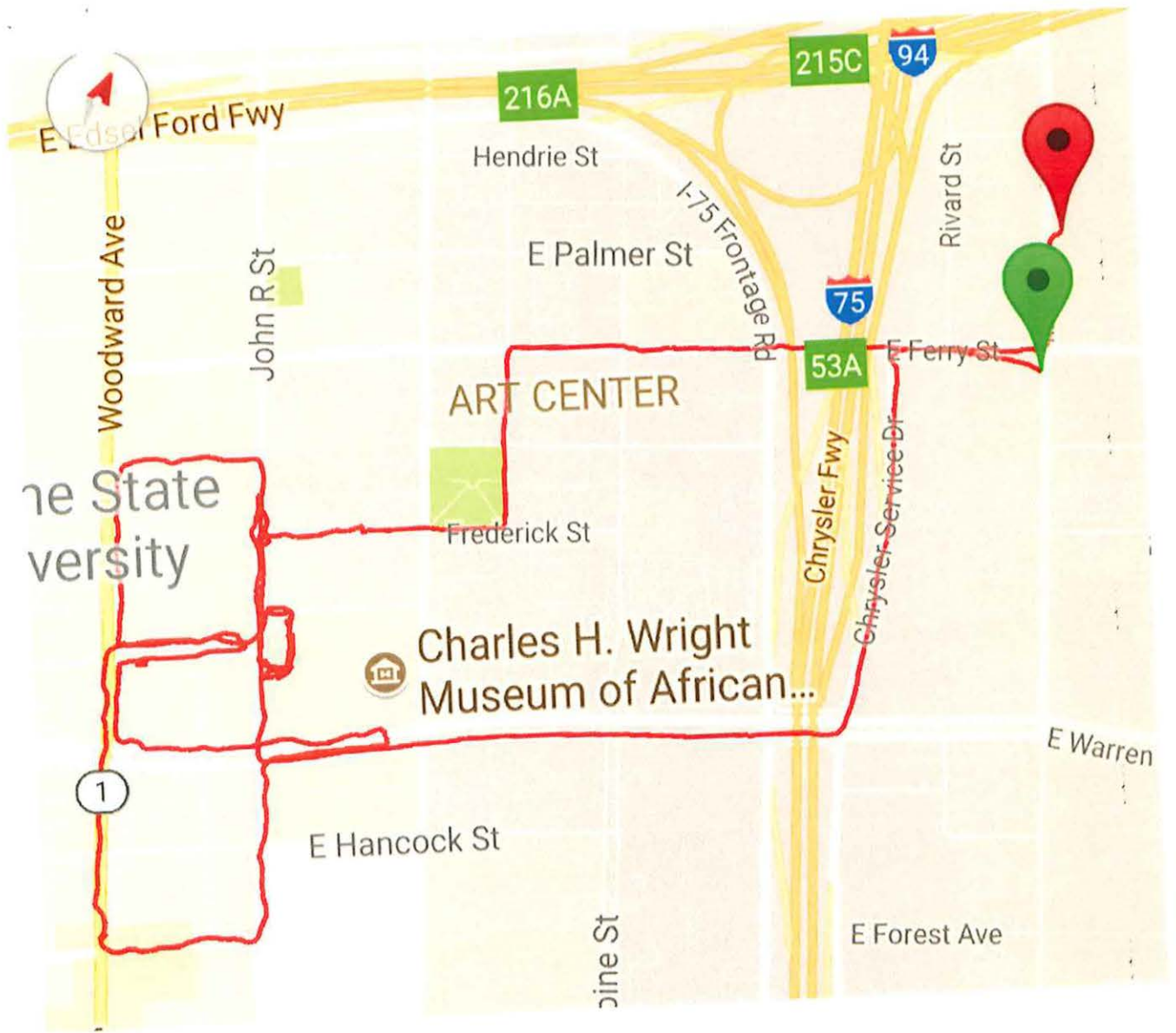
Date	Time	Odor observed from DRP at a grade 3 or more? Y/N	Observer Name	Observer Signature
9-10-17	1221	N	Nathan Pentico Rob Suida	
Weather Conditions				
Temperature	Humidity	Wind Speed	Wind Direction	Sky Conditions
63°F	63%	5 mph	E NE	Partly cloudy
Location (attach map if needed)	Odor Scale*	Odor Characteristic**	Comments (including the spatial extent of the odor and the potential sources)	
Science Center	2	Tar	Freshly re-finished parking lot	
Science Center	2	Sewer Gas	Coming from storm drains (H ₂ S) ↓ Manholes/Sewers decomposing org. matter	
Farnsworth/John R	2	Sewer Gas	sewers + storm drains	
Arts Center	2	sewer Gas	sewers / Storm Drains	
			All odors were intermittent only present with wind or passing cars.	

If odor is observed this section must be completed

1. Review the Odor Management Plan if odor from DRP is observed at a grade 3 or higher, are updates needed?	
2. Were corrective actions taken if the source was found?	
3. What were the corrective actions?	
4. Complete a report based on the findings and submit to MDEQ.	

<p>*Odor Scale:</p> <ul style="list-style-type: none"> 0 - Non-detect 1 - Just barely detectable 2 - Distinct and definite odor 3 - Distinct and definite objectionable odor 4 - Odor strong enough to cause a person to attempt to avoid it completely 5 - Odor so strong as to be overpowering and intolerable for any length of time 	<p>**Odor Characteristic Examples:</p> <ul style="list-style-type: none"> Paint-like Musty, moldy Burnt, smoky Tar-like, asphalt Cut grass Citrus fruit
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Environmental Documentation - must be kept for five years



WEEKLY Environmental Documentation - must keep for five years

ROP-Form-010
Revision 2
04/12/2017

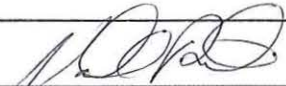
Odor Management - Weekly Odor Survey

Recordkeeping for the Odor Management Plan required by the Consent Judgement dated October 21, 2014.

Instructions:

1. Conduct a weekly odor survey upwind and downwind of the facility (April through October).
2. Document all of the required information below.
3. If odors are observed, initiate necessary actions to determine the cause and correct issue.
4. Contact your Supervisor if odors are observed.
5. Submit completed forms to Environmental Manager.

Complete this section each week

Date	Time	Odor observed from DRP at a grade 3 or more? Y/N	Observer Name	Observer Signature
9-10-17	1045	N	Nathan Pentico	

Weather Conditions

Temperature	Humidity	Wind Speed	Wind Direction	Sky Conditions
58 ^{MP} °F	71%	6mph	From E/NE	Sunny

Location (attach map if needed)	Odor Scale*	Odor Characteristic**	Comments (including the spatial extent of the odor and the potential sources)
Ferry/E-75	1	Trash?	Barely Noticeable, Sweet/Musty Smell
Warren/St Antoine	1	Citrus	Unknown
John R/Garfield	2	Grass	Mowing
Ferry/Russell	1	Trash	< 100'
Ferry/Chrysi Serv	2	Tar	Road work

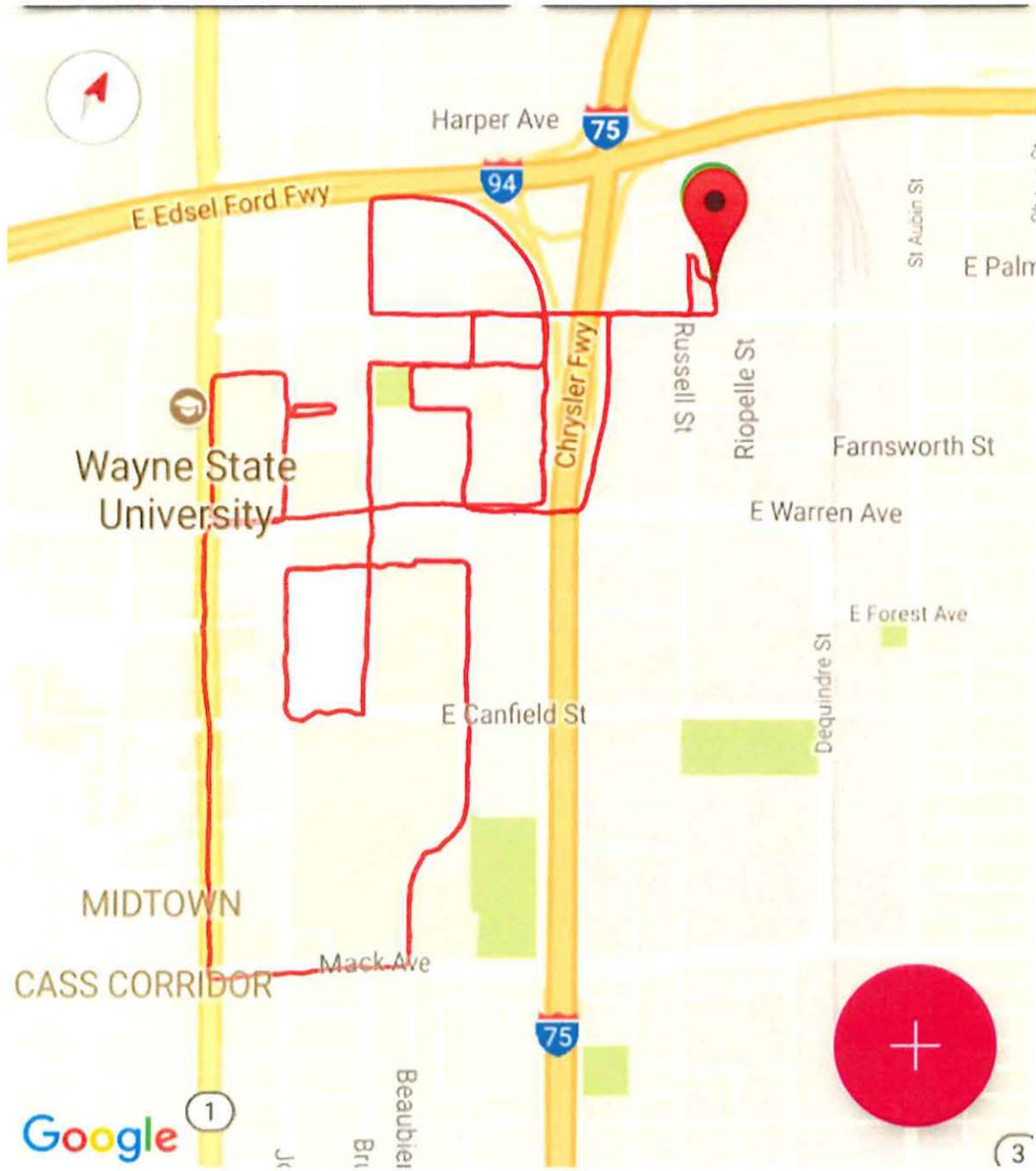
If odor is observed this section must be completed

1. Review the Odor Management Plan if odor from DRP is observed at a grade 3 or higher, are updates needed?	
2. Were corrective actions taken if the source was found?	
3. What were the corrective actions?	
4. Complete a report based on the findings and submit to MDEQ.	

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

**Odor Characteristic Examples:
Paint-like
Musty, moldy
Burnt, smoky
Tar-like, asphalt
Cut grass
Citrus fruit

Environmental Documentation - must be kept for five years





RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
DETROIT



C. HEIDI GRETHER
DIRECTOR

September 20, 2017

Mr. Linwood Bubar, President
Detroit Renewable Power, LLC
5700 Russell St.
Detroit, MI 48211-2545

SRN: M4148, Wayne County

Dear Mr. Bubar:

VIOLATION NOTICE

On September 10, 2017, the Department of Environmental Quality (DEQ), Air Quality Division (AQD), investigated complaints regarding nuisance odors alleged to be the result of operations at Detroit Renewable Power, LLC, located at 5700 Russell Street, Detroit, Michigan. The purpose of the investigation was to determine Detroit Renewable Power's compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; the conditions of Renewable Operating Permit (ROP) number; MI-ROP-M4148-2011a; Consent Judgment File No. 14-1184CE; and to investigate complaints of nuisance odors received on September 10, 2017.

On September 10, 2017, Mr. Jon Lamb of the AQD performed an investigation from approximately 11:20 AM to 12:40 PM. On September 10, 2017, Mr. Todd Zynda of the AQD performed an investigation from approximately 8:00 PM to 9:00 PM. During both investigations, the following air pollution violation was observed:

Process Description	Rule/Permit Condition Violated	Comments
Municipal Solid Waste Processing	R 336.1901(b) ROP No. MI-ROP-M4148-2011a, (A)(G.C.12(b)) Consent Judgment File No. 14-1184CE, VI. Civil Fine and Stipulated Fines, Paragraph B.6.2(b)	Moderate to Strong (Level 3 to 4) garbage odors observed emitting from the facility and impacting nearby neighborhoods.

During the investigations on September 10, 2017, moderate to strong, consistent garbage odors were detected in residential areas downwind of the facility which were traced back to Detroit Renewable Power. In the AQD staff's professional judgment, the odors observed were of sufficient intensity and frequency so as to constitute a violation

Mr. Linwood Bubar
Page 2
September 20, 2017

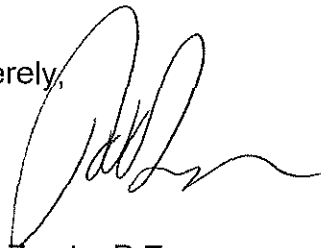
of Rule 901(b), Section A, General Condition 12(b) of ROP No. MI-ROP-M4148-2011a, and Section VI.B.6.2(b) of Consent Judgment File No. 14-1184CE.

Please initiate actions necessary to correct the cited violation and submit a written response to this Violation Notice by October 11, 2017 (which coincides with 21 calendar days from the date of this letter). The written response should include: the dates the violation occurred; an explanation of the causes and duration of the violation; whether the violation is ongoing.

If Detroit Renewable Power believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

Thank you for your attention to resolving the violation cited above. Should you require any further information, please contact me.

Sincerely,



Todd Zynda, P.E.
Environmental Engineer
Air Quality Division
313-456-2761

cc: Mr. Damian Doerfer, DRP
Ms. LaReina Wheeler, City of Detroit, BSEED
cc via email: Mr. John Leone, AG
Ms. Lynn Fiedler, DEQ
Ms. Mary Ann Dolehanty, DEQ
Mr. Christopher Ethridge, DEQ
Mr. Thomas Hess, DEQ
Ms. Wilhemina McLemore, DEQ
Mr. Jeffrey Korniski, DEQ
Mr. Jonathan Lamb, DEQ