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ADM Grand Ledge, MI

AIR QUALITY DIVISION

Emissions Test Report

15k Dust Collector, 50k bph Leg, Rail Loading Pit,30k bph High Roller, 40k bph Screener80k bph Bulkweigher Rail Loading Spout50k bph High Roller feeding 50k Leg,15k bph Drag running from 50k Leg to House

Plant ID No. M3912

Particulate Matter and Visible Emissions

Test Dates: March 18 thru March 21, 2019 Report Date: March 30, 2019

Prepared For:

Prepared By:

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EXECUTIVE SUMMARY

From March 18 to March 21, 2019, Sam Turner and Rick Dancey performed compliance testing to verify the performance of visible emissions and particulate matter (PM), at the ADM Grain facility in Grand Ledge MI. Measurements of O_2/CO_2 , were done by a Fyrite analyzer. Three (3) PM or visible emissions test runs were performed in accordance with 40 CFR Subpart DD. Mr. Leo Muhlenkamp of ADM Grand Ledge MI facility, provided process information and operational data. Julie Brunner and David Patterson of the Michigan Department of Environmental Quality observed testing on March 18th. Julie Brunner also observed testing on the 21st.

A summary of the test results is given on the following pages in Tables 1 thru 4.

Particulate Matter Emissions Summary Grain 15,000 cfm Dust Collector Grand Ledge, MI

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	3/18/2019	3/18/2019	3/18/2019	and the presence of the second s
Run Time (min.)	72	72	72	
Stack Information				
% O ₂	20.90	20.90	20.90	20.90
% CO ₂	0.03	0.03	0.03	0.03
Stack Temperature, Deg F	42	48	47	45
Stack Moisture Content	0.84%	0.29%	0.11%	0.41%
Stack Gas Velocity		- All School and Schoo	and the second second	and the state of the
FPS	67.43	66.52	68.72	67.56
ACFM	17,276	17,043	17,605	17,308
DSCFM	18,137	17,772	18,402	18,104
PM Emissions (Front Half)				
PM, gr/dscf	0.0006	0.0003	0.0006	0.0005
PM, lbs/dscf	8.73E-08	3.78E-08	8.89E-08	7.13E-08
PM, lbs/hr	0.0950	0.0403	0.0981	0.0778
PM Emissions (Total)				
PM, gr/dscf	0.0006	0.0003	0.0006	0.0005
PM, lbs/dscf	8.73E-08	3.78E-08	8.89E-08	7.13E-08
PM, lbs/hr	0.0950	0.0403	0.0981	0.0778

Visible Emissions

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/18/2019	03/18/2019	03/18/2019	
Run Time (min.)	60	60	60	
VE Determination Locations	and a state of the second second		are de la companya d La companya de la comp	
15,000 cfm Dust Collector Stack	0%	0%	0%	0%

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Visible Emissions

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/18/2019	03/19/2019	03/21/2019	
Run Time (min.)	60	60	60	
VE Determination Locations	-			
50 K bph Leg	0%	0%	0%	0%

Visible Emissions

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/18/2019	03/19/2019	03/21/2019	
Run Time (min.)	60	60	60	
WE Determination Locations				
50K High Roller feeding 50K Leg	0%	0%	0%	0%

Visible Emissions

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/18/2019	03/19/2019	03/21/20	
Run Time (min.)	60	60	60	
ME Determination Locations				
30 K High Roller up top	0%	0%	0%	0%

Visible Emissions

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/19/2019	03/19/2019	03/21/201	
Run Time (min.)	60	60	60	
VE Determination Locations		The second s		
15 K bph Drag from 50 K	0%	0%	0%	0%

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/19/2019	03/19/2019	03/21/201	2018 - 201
Run Time (min.)	60	60	60	
VE Determination Locations			an in Selander gewinden	
Railcar pit unloading	0%	0%	0%	0%

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/21/2019	03/21/2019	03/21/201	
Run Time (min.)	60	60	60	
VE Determination Locations				
40 K bph Screener	0%	0%	0%	0%

Parameter	Run 1	Run 2	Run 3	Averages
Test Date	03/21/2019	03/21/2019	03/21/201	
Run Time (min.)	60	60	60	
VE Determination Locations		and the second		
80K bph Bulkweigher Loadout				
Spout				
	0%	0%	0%	0%

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CERTIFICATION

Having written this report and having supervised the test program described herein, I certify that I am personally familiar with the emissions tests described in this report, and with the methods, measurements, data and calculations employed in the performance of those tests. To the best of my knowledge, the results reported herein are true and accurate within the limitations of the methods employed.

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Sam Turner Environmental Services

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INTRODUCTION

The Michigan Department of Environmental Quality requires particulate and Visible Emission testing for the Railcar loading Baghouse and Conveyor's at ADM's Grain Handling System in Grand Ledge, MI.

Plant ID No. M3912

Test Summary is described on page 10. The tests performed and methodologies employed are described in pages 11 through 19 of this report. Quality assurance measures are described on pages 20 through 22. Appendices A thru F contain field data sheets, calculated values, sample calculations, and other reference data from which test results were developed.

TEST SUMMARY

Particulate Matter Emission Rates

From March 18 thru March 21, 2019, Visible Emissions and PM Emissions were measured on the Railcar baghouse and conveyor's system for three (3) 60-minute runs.

PM emissions results for the 15k CFM Dust Collector Stack ranged from 0.0003 to 0.0006 gr/dscf, averaging 0.0005 gr/dscf. PM emissions results ranged from 0.0403 to 0.0981 lbs/hr, averaging 0.0778 lbs/hr. Isokinetic ranged from 95.9% to 97.5 %, averaging 96.5 %. Sample volume ranged from 65.21 scf to 66.61 scf, averaging 65.11 scf.

Visible emissions for the 15,000 cfm Dust Collector Stack pass with no readings above 0 percent,

Visible emissions for all sources pass the allowable visible emission standard.

Emission rates for PM sampling runs were calculated using the flow and moisture determinations from each USEPA Method 5 sampling run, individual gas or particulate concentrations. PM Field data sheets are included in Appendix A, along with emission rate calculations, can be found in Appendix B. Example emission rate calculations are included in Appendix C.

TEST SERIES

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In accordance with the testing requirements of the facility Test Plan per Subpart DD, PM and VE's, were measured. The following test methods were employed:

- USEPA Method 1 Sample and Velocity Traverses for Stationary Sources
 - USEPA Method 2 Determination of Stack Gas Velocity and Flow Rate
- USEPA Method 3 Determination of Dry Molecular Weight
- USEPA Method 4- Determination of Moisture Content in Stack Gases
 - USEPA Method 5 Determination of Particulate Matter Emissions Subpart DD
- USEPA Method 9 Determination of Opacity Emissions

USEPA Method 1: Sample & Velocity Traverses for Stationary Sources

The Grand Ledge dust collector baghouse exhausts through a 27.75" round Stack with 2 sample ports without nipples. Sampling ports, along with upstream and downstream measurements, are illustrated in Figure 1: Sample Ports are;

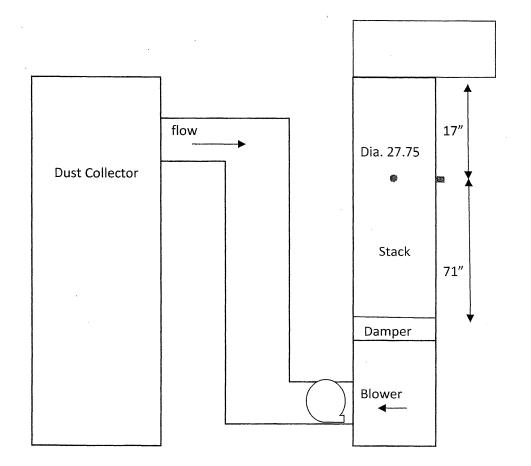
- 71" (2.54 diameters) downstream of nearest disturbance, and
- 17" (0.61 diameters) <u>upstream</u> of nearest disturbance.
- Diameter 27.75 inches

USEPA Method 2: Determination of Stack Gas Velocity and Volumetric Flow Rate

Stack gas velocity measurements for the 15,000 cfm Dust Collector stack were made with a type "S" Pitot tube constructed in accordance with Method 2 specifications. Sample/velocity traverse points are shown in Table 4. Stack gas temperature was measured concurrently with VP at each traverse point using a type "K" thermocouple and readout.

FIGURE 1

Source Schematic – 15K CFM Baghouse



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Location of Traverse Points

Source Name	Stack				Loc	eation	of T	ravers	e Poin	t (inch	ies)		
Source Name	Diameter (in.)	1	2	3	4	5	6	7	8	9	10	11	12
15,000 cfm Dust collector	27.75	1.0	1.9	3.3	4.9	6.9	9.9	17.9	20.8	22.8	24.5	25.9	26.75

USEPA Method 4: Determination of Moisture Content of Stack Gas

Moisture content of stack gas is measured to allow calculation of stack gas volumetric flow rate on a dry basis. As part of the Method 5 particulate measurement test, a measured volume of stack gas is drawn through an impinger train consisting of four (4) ice-cooled impingers. Impingers 1, 3 and 4 are of the modified Greenburg-Smith design, while impinger 2 is of standard G-S design; impingers 1 and 2 are charged with 100 ml of deionized water each, impinger 4 is charged with approximately 300 grams of indicator-type silica gel, and impinger 3 is left empty. Sample gas is drawn through the ice-cooled impinger train at a rate yielding an isokinetic particulate sample. The volume of water collected in the first three impingers is quantified by weighing the final volume of water in each impinger and subtracting the initial weight of DI water placed in impingers 1 and 2. Impinger 4 is weighed prior to and following sample collection to quantify the volume of water vapor collected in the silica gel. The total volume of water vapor collected and the sample volume are used to calculate stack gas moisture content as specified in Method 4.

USEPA Method 5: Determination of Particulate Matter Emissions

Three (3) USEPA Method 5 test runs are performed, and the test results averaged, to quantify particulate emissions from the source tested. Unless otherwise specified below, all equipment preparation, sampling, sample recovery, analytical and calculation activities are conducted in accordance with CFR 40 Part 60.

<u>Preliminary:</u> Method 5 employs an 85mm circular glass-fiber filter meeting the specifications of Method 5 Section 3.1.1. In preparation for sampling, uniquely numbered Gelman Type A/E binder-free glass fiber filters were oven-dried at 110°C for 4 hours, and then desiccated over silica gel for six hours. Filters were then weighed at least 2 times at 6-hour (min.) intervals until constant weight (+/- 0.5 mg) was obtained; results of all weighing were recorded in a permanent log book. Filters were stored in individual sealed glass Petri dishes prior to sampling.

A series of four glass impingers was employed to condense water vapor from the filtered sample stream. The impinger train was constructed and prepared as described in USEPA Method 4. Total moisture collected in the sample train is quantified by weighing the volume of water collected in Impingers 1 through 4 to the nearest 0.1g.

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USEPA Method 5: Determination of Particulate Matter Emissions (cont.)

<u>Sampling:</u> Preliminary velocity and temperature measurements and a low-temperature psychrometric chart are used to select a sampling nozzle as set forth in Method 5. Sampling was performed at the traverse points shown in Table 5. Each traverse point for the Dust Collector stacks were sampled for 3 minutes for a total sampling time of 72 minutes. The entire sample train was tested for leaks prior to and following each of the three sampling runs.

During run 1 impinger three froze up. The test was stopped and a leak check was done at highest vacuum before the removable of impinger. A measured amount of antifreeze [62.0 g) was added to the impinger and recorded in the tare weight for a total tare weight of 643.90 g. The impinger was replaced back in sample train. The entire sample train was leak checked once more and testing was continued. David Patterson of the Michigan Department of Environmental Quality approved the correction.

USEPA Method 5: Determination of Particulate Matter Emissions (Cont.)

<u>Recovery:</u> Following the post-test leak check, each sample train is removed to a clean location for disassembly and recovery. The filter holder was disassembled, and the filter (with any loose particulate) removed and replaced in its sealed Petri dish (container 3). The "front half" of the filter holder is rinsed with acetone and the wash solvent retained in a clean glass jar with a Teflon-lined cap. The sampling nozzle is cleaned with acetone and an appropriate brush, with the process repeated at least six times; the nozzle is then rinsed until no visible particulate remained. Nozzle and probe wash liquid were collected and retained in the same container used for the filter holder wash. The resulting "front half" wash container (container 1) is labeled with the unit tested, test date and run number, and contents; liquid level is marked on the outside of the jar for laboratory reference. A single 100 ml acetone blank was retained for laboratory use.

PM emissions measured by USEPA Method 5, not including back half condensable particulate are used to measure PM and PM 10 emissions. The resulting sample containers (filters, probe wash "front half", and a single acetone blank) are retained in the Key laboratory for analysis as described in the following paragraph.

<u>Analytical:</u> Key laboratory staff in Decatur IL, performed all analytical procedures at their internal laboratory. Each filter container will be opened and the contents desiccated over silica gel at room temperature for at least 24 hours; constant weight is obtained as described earlier for filter tare weights. The volume of each liquid sample is recorded, and the "front half" wash liquid from each test run is evaporated at room temperature in tarred, uniquely numbered 250 ml Pyrex[®] beakers. After evaporation of all free liquid, each beaker is desiccated and a constant weight obtained as described above for filters.

USEPA Method 9: Visible Determination of Opacity of Emissions

Opacity emissions are observed at 15-second intervals during each test run. VEE observations are made from ground level at a location chosen to ensure an unobstructed view of the stack exit/emission point and that the sun is within the 140° arc behind the observer. The 15-second opacity measurements were reduced to a maximum 60-minute average for reporting. The field sheets for opacity observations are included in Appendix A. A copy of the VE Certification card for the observer is included in Appendix D.

QA/QC PROCEDURES

Environmental Services follows the Quality Assurance/Quality Control protocols found in "Air Monitoring Quality Assurance Vol. VI: Standard Operating Procedures for Stationary Source Emission Monitoring and Testing" (CARB, 1979) and "Maintenance, Calibration and Operation of Isokinetic Source Sampling Equipment" (Jerome J. Rom, EPA, 1972) and the quality assurance guidelines as published in "Quality Assurance Handbook for Air Pollution Measurement Systems" Vol. III (EPA-600/4-77-0276).

General QA/QC measures include pre- and post-test leak checks of all sampling trains; blank laboratory and field solutions such as acetone, distilled water or other reagents used for sampling, recovery or cleaning; nitrogen gas blanks; and documentation of all project parameters. QA/QC measures for specific test methods are described in individual method discussions.

Equipment Calibrations

All equipment is calibrated prior to use in field-testing. Specific calibration checks performed for each equipment item are specified below. Equipment calibrations for this test are found in Appendix D; example calculations are found in Appendix C.

Type "S" Pitot Tubes

An S-type pitot tube was used for preliminary and post velocity traverses. Each Pitot tube is constructed as specified in USEPA Method 2. A standard Pitot tube was used for F5 stack per Method 1A. A Pitot tube calibration can be found in Appendix D.

Thermocouples

Type "K" thermocouples were used for all temperature measurements. Thermocouples were calibrated in the past six months against an ASTM mercury/glass reference thermometer at different temperatures encountered during sampling conditions. An oven was used to calibrate at levels within 10% of the temperatures of the stack. An ice bath was used to calibrate the impinger thermocouple. All thermocouples used measure within 2% (absolute) of the reference thermometer. Thermocouple calibrations are found in Appendix D.

Equipment Calibrations (Cont.)

Dry Gas Meters/Metering Orifices

Dry gas meters (DGMs) used to measure sample volume for moisture checks were calibrated with Critical Orifice set S/N 1722, which was calibrated against a reference dry test meter, serial number (16300942) as specified in USEPA Method 5, Section 16.2.1. The Critical Orifice calibration equipment setup is pictured in Figure 3.

Prior to field use, the DGM and its metering orifice were calibrated at three DH values; Y and DH@ values are calculated as specified in paragraphs 9.2.1.1 of Method 5. Upon return to the laboratory after the field test, the meter and orifice were recalibrated in the same manner as the initial calibration. DGM calibrations are included in Appendix D.

Sampling Nozzles

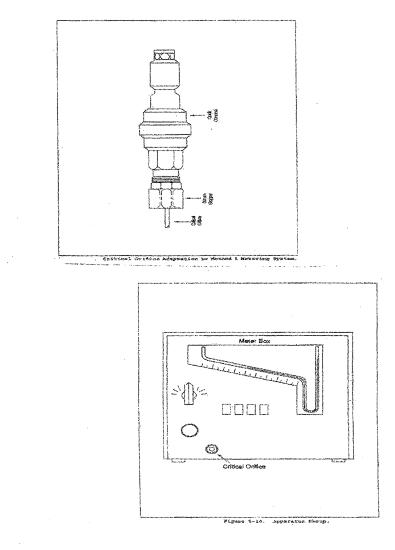
Nozzles used in particulate sampling are constructed in accordance with Section 10.1. of USEPA Method 5. Each nozzle used for sampling was calibrated prior to and immediately following each sample run. Nozzle diameter was measured at three axes; the average of the three measurements was used in all Method 5 calculations. Nozzle diameters, which vary less than 0.004" among the three measurements, are considered acceptable. Nozzle diameter calibrations are found in Appendix D.

Process Unit Operational Data

The process unit operational rates for each run are included in Appendix F.

FIGURE 2

Dry Gas Meter Calibration Schematic



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Appendix A

Field Data Sheets

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·			ז זכטייז	A METHOD		יי בי ניוניו	እለ‴ጉላ	aool	1	31			
			USEPA	A METHOD		FIELD D	ATA (0,000	1.20	, 1/			
	AD M.	à	r		~	FRAK	ch i	0,003	01-11	1			
	HD M Grandhes Dost colled	Test Date:	3-15-14	Pitot Pre-test:	Line		Leak	Check					
Location	These salles	HOR Test #:		Pre-test: Post-test:		cfm:	re) 0,01(cfm:	0 ,00 4	Imp	pinger Wt./V	Vol.	1/1-
Unit	1	Operator:	5 TREWER	\ \	102	vac:	19		13,5	Final	Init.	Diff.	0
	: 30.28		.84	Filter #:	37	O2 %	20.9	,	1	620,0		a (p	643.
Pstat. (in H_2O)	006	Meter Yi: H@.75cfm:	1,014	Meter Box #:	209678	CO ₂ %	0.0	3	2	645.7	58179	- 1.1	
Pstat. (in H_2O) As (sq. ft.):	4.27			Probe #:	P.Z	Bws:			3	411,3	410.5	0.5	
Nozzle (in.)	<u>, 0, 20 </u>	Ref. Temp (F)		Time (min):		H ₂ O, ml						3.5	
Traverse Pt. #	Time	∆p Inches H₂O	Meter	r Conditions Meter (cf)	Terr Stack	nperature (Probe	F) Oven	Mete In	r (F) Out	Imp Out (F)	Vac (in. Hg)	√∆p	
	W.38/9, 41.	2,55	4,3		35		29	43	42	24	C7		665.6
<u> </u>	9:44	2,75	4,0	i-72	36	3/	29	43	44	33	8,5		, <u> </u>
3	9:47	2,2	3.45		30		29	46	42	36	8.0		1240
i4	9:50	2.0	34	677,518	36	32	29	45	43	38	11,00	k	1017 . mete 677.
5	10:11/10.14	1,9	3,26		38	33	31	43	46	34	7		677.
É.	10:17	1,6	190	68310	39	34	31	49	46	38	4		
7	10:20	290	1,5	488.30	39	35	31	51	47	41	3		
8	10:23	, 95	1,6	687,38	39'	35	32	52	47	41	3		
9	10.26	1,1	1,8	689,40	41	36	32	55	48	45	4		
10	10:29	1,2	2.0	691,60	42	37	32	56	48	42	4	<u>.</u>	
/	10:32	112	2.0	694.20	41	38	32	58	49	43	6		
12	10:35	112		695,398	43	39	32	61	50		4		
BI	1053/1056	8.3	3.6	699,60		38	35	5.7	53	37	1		
2	10:59	2.4	4.0	702,80		38	34	58	54	38	8		
23	11:02	214	4.0	704.90		39	35	59	54	45	8		
<u> </u>	11:05	24	3,5	709.00		39	35	61	55	46	8		,
5	11.02	1, 2	2.8	712,00	45	39	35	63	55	46	7		
6	11:11	1.02		714.50			35	65	56		+		
	11.14	,96	177	716,30	45	39	35	65	56	46	17		
\$	11:17	1,2			45	1	35 35	66	57 55	46	1-7_1		
10	11.20	112	1	720.60	45			69	58	44	4		
11	11.26	1,2		725,30	45	301	21	70	59	H 3			
r 2	11:29	15	1,8	727,562	75		36	51	60	45	4		
	and the second	QT.				-	and the second	and and and and and			aline use and for a second second		I.

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USEPA METHOD _____ FIELD DATA

	Lesstion	ADM Ghea	Tost Data:	3-18-19	Pito Pro test:	t Line PASS		Leak Pre)	Check	ost)			
	Process	DUST Colle	Test Date.		Post-test:			().00 j		0,00	Imr	oinger Wt./	Vol.
	Unit		Operator:	5 Theme			4	1211		91	Final	Init.	Diff.
р	bar (in H.)	30.3.7	Pitot Coeff.:		1	38	L	20.9	-	1	584.7	590.8	-4.1
	t. (in H_2O):			1.014	Meter Box #:	20467	CO ₂ %	0.02	-	2	153.0	561.4	-3.4
	As (sq. ft.):		H@.75cfm:	1.73	Probe #:	<u>P. 2</u>	Bws:	Sint in the	-	3	410.9	411.0	-1
1	Nozzle (in.)	0,201	Ref. Temp (F)		Time (min):	72	H ₂ O, ml		•	4	631.9	623.4	11,5
Tray	verse Pt. #	Time	∆p	and the second sec	er Conditions		mperature		Mete	Y	Imp	Vac	√∆р
			Inches H_2O	ΔH	Meter (cf)	Stack	Probe	Oven 3 G	In	Out	Out (F)	(in. Hg) 8-5	
A		12441249	2,55	4.4	1010 0	47	41		40	60			
	2	12:52	2.1	345	734.15	47	42	40	60	61	46	7,0	
	3	12:55	IXI /	3.65	737.20	47	42	40	62	61	50	7,5	
	4	12:58	2.2	3.6	740,40	47	\square	41	64	61	50	7,5	
	5	13:01	1,5	3.0	743,10	47	10	42	67	6/	53	6.5	
ļ	6	131.04	11	1,8	<u>445, 5</u>	48	43	43	68	62	53	4	
ļ	7	13:07	187	1.4	747.5	48	43	43	69	62	52	(Li Li	
	S	13:10	,95	1.6'	749.6	49	44	43	70	63	51		
	9	13:13	1.0	111	751.65	48	44	43	72	63	50	3	
	10	13-16	1.2	2,0	753,95	48	43	44	73	63	51	4	
	11	13:19	1,2	2,0	756.25	48	45	43	74	64	50	4	
	12	13:22	1.2	2.0	758,4	47	44	43	75	64	50	4	
0	1	3.30 333	2.4	3.8	761-8	47	43	42	70	65	45	18	
	2	13,36	2.2	3,3	764.85	47	43	42	70	65	50	8	
	3	13:39	2,1	3.3	767.90	47	43	42	70	66	51	7	
	4	13:42	2,2	3,4	771.10	42	43	42	7/	66	51	7	
	-5	13:45	1.7	3.0	773,80	48	43	42	72	66	5)	4	
	6	1345	1,5	2.6	776,50	47	43	43	73	66	51	55	
	2	13:51	, 85	1.5	778,55	43	43	43	73	46	51	3	
	Z	13154	188	1.6	780-6	42	43	43	73	46	50	3	
	9	13:57	197	17	782,5	48	43	43	74	66	49	4	
	10	14:00	1,1	1,9	78510	48	44	43	75	46	50	23	
	11	14:03	1.1	1.9	787,30	48	44	43	75	66	50	4	
	12	14:06	,97	1,7	789153	48	45	44	75	67	50	141	
								1				. 1	

USEPA METHOD _____ FIELD DATA

	,	. /	-	Pito	t Line		Léak	Check]		
Location:	ADM GRANNely	heir Fest Date:	<u>3-18-19</u>	Pre-test:	PASS		re)	(Pe	ost)			
	GAAIN	Test #:		Post-test:	MASS	4	0.00		0,00		inger Wt./	
	Dust collector	•	5 JUANA	7			12.5	-	11 ''	Final	Init.	Diff.
Pbar (in H _g):		Pitot Coeff.:		-	31		20,9		1	590.8		~5,2
Pstat. (in H_2O):		Meter Yi:	1.014	Meter Box #:	209678		0,03	2	2	561.4	558,0	-3.2
As (sq. ft.):		H@.75cfm:				Bws:		-	3	4113	410,9	0.4
Nozzle (in.)	0-801	Ref. Temp (F)		Time (min):		H₂O, ml			4	A CONTRACTOR OF THE OWNER.	634.9	9.5
Traverse Pt. #	Time	∆p Inches H₂O	Mete ∆H	er Conditions Meter (cf)	Tei Stack	mperature Probe	(F) Oven	Mete In	er (F) Out	Imp Out (F)	Vac (in. Hg)	√∆p
·	15th X 1524	2.6	4.6	789,643	-J.7	45	47	40	62	HH	9	
2	15:27	2.0	3,6	792.31	47	44	47	60	62	50	ÿ	
3	15:30	2,1	3.7	796-30	47	44	46	62	61	50	8	
4	15:33	2.2	3.9	802.40	46	44	46	63	61	52	୪	
- 5	15:36	1.9	3.4	805,80	47	44	46	45	61	52	.7	
6	15:39	$l_1 S$	2.65	809.5	47`	44	46	66	41	51	ý	
_ ~7_	15:42	,90	1.6	910.7D	47	44	46	67	61	50	3	
S.	15:45	,94	17	818,80	47	44	46	67	6 (49	4	
i)	15:48	1./	1.9	915.1 O	48	4 S	46	69	62	49	4	
10	15:51	1.1	1.9	817-35	47	45	46	70	62	49	4	
11	15:54	1.3	2.6	820 710	47	45	46	71	62	50	5	
12	15:57	7.1	1.9	822,405	48	46	47	72	6.3	49	4	
1	16:03/1606	2.2	3.8	825.0	47	45	46	69	63	47	8	
ス	16:09	ええ	3,8	828.9	47	45	46	70	64	50	8	
3	16:12	2.2	3, 8	832.10	46	45	46	70	64	50	60	
4	16:15	2,1	3.7	836.3	47	45	46	7	64	50	8	
5	16:18	1.6	2.8	830.3	47	45	46	71	69	49	B	
6	16:21	-7.	1.65	840,50	.47	45	46	71	<i>64</i>	49	4	
7	16:24	,010	1,6	842,60	47	45	46	72	65	48	4'	
8	16:27	1.1	1.9	844.70	47	45	46	72	65	48	4	
. 9	16:30	1,3	2.3	847,20	48	47	47	73	65	48	5	
10	16:33	1.6	2.8	\$50.0	48	47	47	74	65	48	e -	
11	16:36	1,8	3,2	832.90	48	47	48	75	65	11		
12	16:39	1.7	3.0	855 814	48	48	49	75	46	49	7	AND THE OWNER OF THE OWNER

Fyrite Field Sheet

ADM GRAIN
Facility: (JAAWd Ledge
Date: <u>3-18-19</u>

2

Unit: 15K Arst collector Fuel: None Site: GRAND Ledse

Test #:	1	Leak Ck:	V	Operator:	Rick 5. TUM	DANCEN
			Raw Read	ings	Calculat	ed Conc.
Sample	Analysis	CO2	O2	СО	%O2	%CO
Time	Time	А	В	С	(B-A)	(C-B)
10:00	10:00	0.03	20.9			
			/		-	
10:40	10:40	0.03	20.9			
	Averages:					

Test #:	2	Leak Ck:	\mathcal{V}	Operator:	AicK	DAncer
			Raw Read	ings	Calculat	ed Conc.
Sample	Analysis	CO2	O2	CO	%O2	%CO
Time	Time	Α	В	С	(B-A)	(C-B)
12:40	12:40	0.03	20,9			
			,			
13:30	13:30	0.03	20.9			
	Averages:					

Test #:	3	Leak Ck:	\checkmark	Operator:	Alck Or	Ancry
			Raw Read	ings	Calculat	ed Conc.
Sample	Analysis	CO2	O2	CO	%O2	%CO
Time	Time	А	В	С	(B-A)	(C-B)
16:10	16:10	0.03	20.9			
11 5 1 1 2	: (. 11 i)	a. 45	an G	anaan maadaa ay ahaa ahaa ahaa ahaa ahaa ahaa a		
16,40	Averages:	0.03	Der 1			

9 Plant name: ADM 3 18 0945 1125 1 End Time Observation Date Start Time Address: 16994 Wright Rd SEC. 0 15 30 45 o 15 30 45 SEC City: Grand Ledge State: MI Zip: 48837 MIN MIN ΰ 0 Ð Ð Phone: 517-627-4017 Ĉ 0 Ø 1 31 0 Source: Ô 0 0 0 15 K cfm dust collector Ø Ø Ô \mathcal{O} 2 32 Source Number Ũ 0 0 D 3 33 0 0 0 0 Operating Mode YES Process Equipment: Grain 0 Û O ∂ Ò 0 0 4 34 0 Control Equipment: Baghouse **Operating** Mode Ò 0 0 д 0 0 ٥ 0 5 35 Describe Emission Point: Stack Outlet 0 0 0 0 0 6 36 \mathcal{O} 0 Ø D 0 0 Ð 0 D 0 7 37 0 Height Above Ground Level 20-5tHeight Relative to Observer Ô O 0 ð D 0 0 Ø 8 38 15.50 Distance from Observer Direction from Observer 0 0 0 Ø 0 0 0 Ø 9 39 Describe Emissions Emission Color O D 0 0 0 Ø 0 0 Plume Type: Continuous 10 40 LIGHT BROWN Fugitive: O Д 0 0 0 11 0 41 Ó 0 0 Water Droplets Present Plume: Attached O Detached Q 0 0 0 D 0 0 0 42 0 12 NO At What Point Was Opacity Determined SE FROM SCURE Background Ô 0 0 Ø 0 D 0 O 13 43 STACK Percent Cloud Cover Start/End Ð 0 0 Ô 0 0 0 BLUES Background Color BLUE GAT 0 14 44 Ø Ö 0 0 0 0 15 Ô 0 45 VELLOW Wind Direction From Start/End Wind Speed 2 MPH Start End 0 ð 0 0 16 0 46 Ø 0 0 Humidity 8776 Start 32 Temperature End 151% Ô 0 0 0 0 0 0 17 0 47 9E Source Layout Sketch North Arrow 0 0 0 0 0 18 0 ()48 0 Ø Ø Ô \mathcal{O} Ø D 0 19 49 0 west 0 Ò Ò 0 0 Ø 0 50 0 20 $\overline{\mathcal{O}}$ 0 0 0 O 0 21 51 0 \mathcal{O} Ô 22 O O Ô 52 D 0 Ô O d. Ö 0 0 \mathcal{O} 0 0 0 53 0 23 0 \mathcal{O} 0 0 O54 0 0 0 24 0 Ô 0 0 0 Ò 0 25 55 0 Ň Ó 0 0 26 0 56 0 Ø 0 O**Emission** Point O 0 0 0 Ø 0 27 0 57 0 ð 0 28 0 0 0 58 Ø 0 0 North Ο O OÒ 0 0 29 O59 0 Ó 0 Ĉ. O0 Ø 60 0 30 70 70 0 % Were Ô Highest 6 Minute Average Ф # Readings Above Observers Position 0 0 Opacity Readings Minimum Maximum Comments: STOP 0954HR Observers Name: ANCUY <u>K (q</u> ON HER Observers Signature Date: Organization: Environmental Services, Decatur IL. 217-413-6618 1030 117 18 105 Certified by: Carl Koontz Associate HT Date: 26 Verified By: Date:

Plant name: ADM		Observ	ation Date	3/18/	19	Start Time	124	14	End Time	140					
Address: 16994 Wright Rd			SEC,	0	15	30	45	SEC	0						
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN							
Phone: 517-627-4017			1	Ø	Ø	0	0	31	0	0	0	0			
Source: 15 K cfm dust	collector		2	0	0	Ø	0	32	0	Ü	0	0			
Source Number			3	0	Ð	0	0	33	0	0	0	0			
Process Equipment: Grain		Operating Mode 15	4	0	0	0	0	34	0	0	0	O			
Control Equipment: Baghouse		Operating Mode VOS	5	0	D	0	0	35	Ð	0	0	0			
Describe Emission Point: Stack Out	tlet	10 /	6	ň	ð	0	Ö	36	Ŏ	Ō	0				
			7	Õ	0	0	0	37	0	0	0	0			
Height Above Ground Level	Height Relative	elative to Observer									0				
Z() St Distance from Observer	Direction from	IS FT Observer SSW	9	Ő	0	0	0	39	0	0	0	0			
<u>30 St</u> Describe Emissions	Emission Color	•	10	0	0	0	0	40	$\overline{\Lambda}$	0	0	0			
CZAIN DUST Plume Type: Continuous & Fugi	tive: O Intermi	F BIZOWN	11	0	0	0	0	41	0	0	0	0			
Water Droplets Present	r Droplets Present // Plume: Attached O Detached O/						0	42	0	Ō	0	õ			
At What Point Was Opacity Determ	uined	N/A	12	0	0 0	0	0	43	1.0.55 1.54.55.6	NOR AND A MARK	1.1.1.1.1.1.1.1.1	0			
Background			14	0	0	0	0	44		0 0 0					
Background Color	Percent Cloud	Cover Start/End	15	0	0	0	0	45			0 0				
BIUF / MELLOL Wind Speed / Start End	Wind Direction	D 70 n From Start/End	16	0	0	0	D	46		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
GMDI+ 8MDI- Temperature Start End	Humidity 48		17	0	0	0	0	47			1	0			
Source Layout Sketch	1 78	Draw North Arrow	18	0	∂	Ø	0	48	ومعرفون وال	49030000		0			
		TAN	19	0	0	0	0	49	Ö	D	Ð	0			
		(1)	20	0	0	0	0	50	0	0	0	0			
	11111111111111111111111111111111111111	N.	21	0	Õ	0	0	51	0	0 0	∂	0			
6244			22	0	0	Ŏ	0	52	0	0	0	0			
	Ľ		23	0	0	0	0	53	0	0	0	0			
Filmer A.	4		24	Ŏ	ŏ	0	0	55	0	$\overline{0}$	$\overline{0}$	0			
			25	0	0	0	0	55	0	0	0	0			
			26	0	0	0	0	56	0	0	0	0			
	Emission Poir	it	27	0	Õ	0	0	57	0	0	0	0			
			28	0	0	0	0	58	0	0	D	0			
1	 		29	0	0	0	0	59	0	0	0	0			
			30	0	0	0	0	60	0	0	0	0			
70			ute Avera				-		% Were_	0					
			ngs Mini		0	1	~~~~~~	ximum	0	-					
Comments: 5752 1314			<u> </u>		ne: Ri		DANC				_				
CTART 1231				ervers Sigr		- Charles	77		·····	Date: 3	1,01				
511/301 1971					\rightarrow	iental Sery	rices, Deca	tur IL.	217-413-6		/18/1	7			
						z Associat				Date:	7/2/	18			
										Date:	1-6/	<u></u>			
Verified By: Date:															

Plant name: ADM		•	Observ	ation Date	3/18/	19	Start Time	157	1	End Time	1630	4
Address: 16994 Wright Rd			SEC, 0 15 30 45 SEC 0 15						30	45		
City: Grand Ledge	State: MI	Zip: 48837	MIN		J			MIN			5	10
Phone: 517-627-4017	1		1	0	0	\mathcal{O}	О	31	0	0	0	υ
Source: 15 K cfm dust	collector		2	Ō	Ď	Õ	0	32	Ð	õ	D	0
Source Number			3	0	0	0	Õ	33	0	D	0	0
Process Equipment: Grain		Operating Mode 185	4	0	ð	D	D	34	ð	0	0	D
Control Equipment: Baghouse	·····	Operating Mode	5	0	0	ð	O	35	0	0	Õ	0
Describe Emission Point: Stack Out	let	¥09	6	Ū	0	Õ	ð	36	Ö	0	0	0
			<u>Here: 198</u>	0	D	0	Ø	37	0	D	0	D
Height Above Ground Level	Height Relative	e to Observer	8	0	0	õ	0	38	Ö	D	0	D
Distance from Observer	Direction from	Observer	9	0	0	ð	0	39	0	0	0	\mathcal{O}
<u>JUST</u> Describe Emissions	Emission Color	SSUT SW	10	0	0	0	D	40	0	0	0	0
Plume Type: Continuous Fugin		BROWN ittent O	+		1			+			0	0
Water Droplets Present	Plume: Attache	ed O Detached O	2012/01/02	NISA 1. 17 18 19 763		DHS SHOT STOL	Section 5	<u> </u>	29.99	0	0	
At What Point Was Opacity Determ	ined	NA	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								0	
Background	•		-					1			0	
CLOUBY SKY Background Color	Percent Cloud	Cover Start/Endy	-								0	
Wind Speed Start End MPH/SMPH	Wind Direction	n From Start/ End	-	<u> </u>				+			0	
Temperature / Start End	Humidity 30	76/38%						+			0	
Source Laygut Sketch		Draw North Arrow	(ja ne se			SACE BERGENERAL		3 Philipping	-		0	0
/		- ALAN	19	0	0	0	0	49	0	0	0	
		N	20	0	0		0	50	0	0	0	0
		\sim	20	0	0	0	0	51	6	0	0	0
		a summaries in the first term and a summaries	22	0	0	0	0	52	0	\bigcirc	0	0
	D-X-	1	23	0	0	0	0	53	0	0	0	0
	4		24	Õ	0	0	0	54	Ō	Ø	Ö	Õ
- man - The - The	1		25	D	0	0	0	55	$\overline{\mathcal{O}}$	0	0	D
			26	0	0	0	0	56	0	0	0	10
	Emission Poir	ıt	27	Ð	0	0	0	57	O	0	0	$\frac{1}{D}$
			28	0	0	ð	0	58	0	0	0	0
			29	0	0	0	0	59	0	0	0	0
			30	0	0	0	0	60	0	D	0	0
70	70 70							+	dings Abo		% Were	0
	Observers Position							J		imum	0	
Comments: STOP ICC/H		+	rvers Nan	ngs Mini ne: R	ck	DAN	CF	Y				
CIANT ILAU			rvers Sign		7	7	7		Date: 3	101	<u> </u>	
						ental Servi	ices, Decat	ur IL.	217-413-66	<u> </u>	<u>, 1871</u>	¥
			<u> </u>			Associate				Date: S	1261	18
			Verif	ied By:						Date:	11	

Plant name: ADM 1828 3 9 23 Observation Date 18/19 End Time 🖊 Start Time Address: 16994 Wright Rd ο 15 30 45 0 30 SEC SEC 15 45 City: Grand Ledge State: MI Zip: 48837 MIN MIN Ũ \mathcal{O} 0 0 \mathcal{O} Phone: 517-627-4017 0 O \mathcal{O} 1 31 Source: D Û 0 0 50 K bph leg \mathcal{O} 0 2 32 Ò \mathcal{O} Source Number 0 0 \mathcal{O} 0 O 3 0 Ù 33 \mathcal{O} Operating Mode YOT Process Equipment: Grain \mathcal{O} 0 6 \mathcal{O} C 0 Ð 4 34 0 Operating Mode Control Equipment: Baghouse Ο 0 0 0 \mathcal{O} Ò \mathcal{O} 0 5 ENCLOSED 35 Describe Emission Point Stack Outle 1) 0 \mathcal{O} O0 O_{-} 6 36 D \mathcal{O} AROUND CONVEYOR LEC 0 0 0 0 0 Ò 7 0 37 \mathcal{O} Height Above Ground Level Height Relative to Observer Ù 8 0 OÛ 38 Ò \mathcal{O} Ò Ø Direction from Observe Distance from Observer 0 0 0 \mathcal{O} 0 0 D Ũ 9 39 Describe Emissions CORN DUST Emission Color 47: BRUIVI 0 Ũ \mathcal{O} \mathcal{O} 0 \mathcal{O} Ò \mathcal{O} 10 40 Plume Type: Continuous O Fugitive: K Intermittent O Ô 0 0 () \mathcal{O} 0 \mathcal{O} 0 11 41 Plume: Attached O Detached O Water Droplets Present 0 0 \mathcal{O} \mathcal{O} NO 12 O0 \mathcal{O} 42 OAt What Point Was Opacity Determined 0 0 \mathcal{O} Ð Ũ \mathcal{O} \mathcal{O} 0 13 43 107 PARTLY CLOUDY SKY Background \mathcal{O} Û 0 \mathcal{O} 0 0 \mathcal{O} Ò 14 44 Wind Speed / 0 Background Color Percent Cloud Cover Start/End Wind Direction From Start/ End 0 0 θ 0 0 0 BLVE 15 D \circ 45 Start End Temperature/Sta 4//0 Temperature/Sta 4//4/ Source Layeut Sketch 0 \mathcal{O} 16 0 0 46 (\mathcal{D}) O0 \mathcal{O} W 1υ Humidity Start End 38 0 0 0 0 0 \mathcal{O} Ô \mathcal{O} 17 47 Draw North Arrow A \mathcal{O} 0 \mathcal{O} 0 18 \mathcal{O} 48 0 O° Ċ 0 O O \mathcal{O} O \mathcal{O} 19 49 0 0 θ \mathcal{O} 0 \mathcal{O} 0 C \mathcal{O} 50 20 \mathcal{O} 0 0 0 O0 Q 0 21 51 C 0 0 0 0 22 (\mathcal{O}) 52 0 O 0 \mathcal{O} 0 0 ð \mathcal{O} 0 Ø 23 53 0 0 \mathcal{O} 0 0 \bigcirc 54 \mathbf{O} \bigcirc 24 0 \mathcal{O} 0 0 0 0 0 25 55 \mathcal{O} 0 0 0 26 0 56 D 0 \mathcal{O} \mathcal{O} 0 Ò \mathcal{O} Ό \mathcal{O} 0 0 0 27 57 0 $\overline{\mathcal{O}}$ 0 0 \mathcal{O} 0 \mathcal{O} 0 28 58 O \mathcal{O} \mathcal{O} \mathcal{O} \odot C \mathcal{O} \bigcirc 29 59 0 0 0 0 0 OO 0 30 60 70 70 O # Readings Above _____% Were_____ Highest 6 Minute Average **Observers** Position 0 Opacity Readings Minimum Q Maximum_ Comments: Observers Name: KIC K 1104 Observers Signature Date: 🎝 Ć n Organization: Environmental Services, Decatur IL. 217-413-6618 |_R Certified by: Carl Koontz Associate Date: 9 26 Verified By: Date

N.

Plant name: ADM	<u></u>		Observ	ation Date	3/19	119	Start Time	03:	23	End Time	291	Ý
Address: 16994 Wright Rd			SEC.	о	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN			-	
Phone: 517-627-4017			1	\bigcirc	0	0	0	31	\mathcal{O}	0	U	i)
Source: 50 K bph leg-	SOK	BPH LEG	1572	$\tilde{\mathbf{n}}$	0	Ð	$\overline{0}$	32	Ő	0	Ĵ	1
Source Number	MAR OLLONG		3	Ö	0	\overline{o}	0	33	0	0	0	2
Process Equipment: Grain		Operating Mode	4	0	0	0	\overline{O}	34	5	0	0	<u>د</u> ر
Control Equipment: Baghouse	CLUSTO	Operating Mode VCS	5	Ü	ò	0	0	35	0	0	0	0
Describe Emission Point: StackOu And UNN CU.	thet-		6	ð		ъŏ-	ð	36	Ð	$\overline{0}$	$>\tilde{o}$	0
1472 (QM [] C()	WVF YOU LI		7	J.	IJ	0	0	37	Ð	0	0	(7
Height Above Ground Level $() - 1305t$	Height Relative	to Observer	8	Ō	0	D	0	38	0	0	0	0
Distance from Observer 30 - 1505t	Direction from		9	0	0	0	0	39	0	0	()	0
Describe Emissions	Emission Color	BITOWN	10	U	Ŭ	0	$\overline{\mathcal{O}}$	40	0	$\overline{0}$	0	U
CORN DUST Plume Type: Continuous O Fug	itive: 🖉 🛛 Intermi	ttent O	11	$\hat{\boldsymbol{n}}$	$\overline{\upsilon}$	$\frac{c}{c}$	0	41	$\overline{\mathcal{O}}$		17	\overline{O}
Water Droplets Present	Plume: Attache	d O Detached O	12	\mathcal{O}	0	\overline{o}	0	42	Ō	- O	0	Q
At What Point Was Opacity Determ $1-7$ Gt AR	nined		13	0	U U	L)	17	43	0	$\overline{\mathcal{O}}$	0	(7
	UTSKY	· · · · · · · · · · · · · · · · · · ·	14	0	0	D D	0	44	D	0	0	(7
Background Color BLVE LI-GRAY	Percent Cloud		15	0	\overline{O}	0	$\overline{\mathcal{O}}$	45	\overline{v}	0	∂	U
Wind Speed Start End MPH 14 MPH	Wind Direction	From Start/ End	16	0	2	0	D	46	O	0	1)	$\overline{()}$
Temperature Start End	Humidity	183	17	0	0	Õ	$\overline{0}$	47	$\overline{0}$	0	$\overline{0}$	U U
Source Layout Sketch		Draw North Arrow	18	2	0	Ō	D.	48	ð	0	Ò.	O
	come (may	N	19	Û	0	$\overline{\mathcal{O}}$	()	49	\mathcal{D}	()	10	ر)
17		C	20	D	0	0	$\left \right\rangle$	50	0	0	D	()
The second second			21	0	0	\cup	0	51	0	0	0	0
	ر تاریخ		22	0	0	0	0	52	G	0	0	D
and the second se	andra Reality - Tra		. 23	C	رَّ ا	17	2	53	Q	0	D	0
and the second se		A COLOR	24	∂	\mathcal{O}	0	Q	54	Ø	Ó	17	\odot
annacht an sta			25	С	\mathbf{O}	0	0	55	ð	0	0	13
2			26	0	0	0	0	56	0	\cup	0	0
	Emission Poin	ŧ	27	2	0	0	U	57	O	0	$\left(\right)$	O
			28	0	0	O	0	58	0	\bigcirc	0	0
			29	0	0	0	0	59	0	0	O	0
			30	0	0	0	(7	60	0	17	0	\cup
70	70	High	nest 6 Min	ute Averaş	ge		# Rea	adings Ab	ove	% Were	0	
	Observers Posi	tion	Opa	city Readi	ngs Mini	mum	0		Ma	cimum	Ó	
Comments:			Obse	ervers Nan	ie: Rid	(K)	SANC	100	,			
			Obse	rvers Sign			Land		1999 - 11 - 11 - 11 - 11 - 11 - 11 - 11	Date: 3	119/1	5
			Orga	nization:	Environm	ental Serv	ices, Decat	ur IL.	217-413-6	618	· / ·	
			Cert	ified by: C	arl Koont	z Associat	e			Date: 4	7/26/	18
			Veri	fied By:						Date:	/ /	
	,							P	Fr	FIV	/Fr)
			RECEIVED								Ø.	

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USEPA Method 9 Visible Emissions Field Data Sheets

APR 1 1 2013

AIR QUALITY DIVISION

Plant name: ADM			Observ	ation Date	3/21	119	Start Time	08	35	L' 9 End Time	43	
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN		5	5	15	MIN	-	.,		тJ
Phone: 517-627-4017			1	Ø	0	\mathcal{O}	U	31	12	0	\mathcal{O}	C
Source: 50 K bph leg			2	$\frac{\circ}{\circ}$	<u> </u>	$\frac{c}{c}$	\overline{v}	32	$\frac{v}{0}$	$\overline{0}$	0	$\frac{1}{2}$
Source Number			3	$\frac{c}{0}$	<u>し</u> じ		$\frac{0}{0}$	33	()	()	·.	$\left \begin{array}{c} 0 \\ 1 \end{array} \right $
Process Equipment: Grain		Operating Mode	4	-0-	0	0		35 34	$\overline{0}$	$\frac{0}{0}$	$\frac{\partial}{\partial}$	$\frac{0}{0}$
Control Equipment: Baghouse	1 4.	Operating Mode Operating Mode		0	0	$\frac{0}{0}$	0		$\overline{\mathcal{O}}$	()		$\frac{0}{0}$
Describe Emission Point: Stack Out ATCOUND CO	LOSUTD let	y03	5	0	arts in the second	0	\mathcal{O}	35 36		$\frac{1}{2}$	い - ()	10
AROUND CO	INVEYOR	107	6		0	del an Wine and	A Print Prin	1070/050-05	C CO PRICING	the statement of the		
Height Above Ground Level	Height Relativ	e to Observer	7	0	0	0	0	37	0	0	0	0
0-130 St	Direction from	0-130 ft	8	0	0	0	0	38	0	0	0	0
Distance from Observer $30 - 150$ St.	N	NW	9	U	0	0	0	39	D	0	0	O
GRIAN DIST	1	TISKOWN	10	0	0	\mathcal{O}	0	40	0	0	0	O
Plume Type: Continuous O Fugit	ive: 10 Interm	uttent O	11	0	0	\cup	0	41	0	0	0	O
Water Droplets Present		ed O Detached O	12	$\mathcal{O}^{\mathbb{Z}}$	\mathcal{O}	0	\mathcal{O}°	42	0	\mathcal{O} .	0	O
At What Point Was Opacity Determ	ined ZOUND LO	τ	13	0	0	0	0	43	\circ	0	0	\bigcirc
Background Stor SV	(\mathbf{y})		14	O	0	0	0	44	0	0	0	$ \mathcal{O} $
Background Color	Percent Cloud	Cover Start/End	15	O	0	0	\mathcal{O}	45	0	0	0	0
Wind Speed Start End	Wind Directio	PFrom Start/End	16	ΰ	0	\mathcal{O}	0	46	J	0	0	0
TemperatureStart End	Humidity	197	17	0	17	O	0	47	0	0	0	0
Source Layout Sketch	<i>_</i>	Draw North Agrow	18	0	Ō	Q	D	48	$\mathbf{\hat{O}}$	0	10	Ō
		\square	19	0	0	0	0	49	000			
6	-)	\bigcirc	20	0	0	0	0	50	0	0	2	0
		•	21	0	0	0	0	51	D	0	0	0
			22	0	0	Ö	0	52	1)	0	U	$\overline{0}$
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			24	0	Ŏ	Ŏ	Ď	54	È.	lõ l	∂	Ŏ
Y I			25	0	0	D	\overrightarrow{n}	55	<u>- 10/08</u>	i)	1) 1)	
			26	0	0	$\frac{0}{0}$	0	55		$\frac{1}{0}$		
	Emission Poi	nt	27	0	0	0	n	57	$\begin{bmatrix} 0\\ 0 \end{bmatrix}$	$\frac{0}{0}$	$\begin{vmatrix} 0 \\ 0 \end{vmatrix}$	17
	1		28	$\overline{0}$	$\frac{\nu}{\Lambda}$	D	$\dot{\gamma}$	57	0	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	$\overline{0}$
			29	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	$\begin{vmatrix} 0 \\ 0 \end{vmatrix}$	\overrightarrow{n}		0	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	$\frac{10}{10}$
		30	D	$\frac{0}{0}$	$\frac{\partial}{\partial}$	$\frac{0}{0}$	59 60	$\frac{0}{2}$	$\frac{\circ}{\circ}$	$\frac{0}{0}$		
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	Observers Pos	sition	<u> </u>				0	<u> </u>			» were О	
Commonto (****)**? -			city Readi	ngs Mini			<i>(c ~</i>				-	
Comments: 570.0					<u>ick</u>	1 m	ICE,		la -	, / -	ta	
STATET (rvers Sign		Alu	Ú-f-	<u>lan</u>		Date:	/21/	15		
						rices, Decat	ur fL.	217-413-6	T	-	10	
			Carl Koont	z Associat	e			Date: 9	te: 9/26/18			
	•		Veri	fied By:						Date:		

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Water Droplets PresentPlume: Attached O Detached OAt What Point Was Opacity Determined12U0043000Background GolorAll O01400044000Background GolorAll O0044000044000Background GolorAll O004500000000Background GolorAll O0004500000Wind SpeedStart EndWind Direction From Start/End16000046000TemperatureStart EndHumidized2877000048000Bource Layout/Sketch00000000000Bource Layout/Sketch0000000000Building2829000000000Bource Layout/Sketch00000000000Building000000000000Building000000000000 <th></th> <th></th> <th>USEPA Method 9 V</th> <th>isible]</th> <th>Emission</th> <th>s Field Da</th> <th>ta Sheets</th> <th>3</th> <th></th> <th></th> <th></th> <th></th> <th></th>			USEPA Method 9 V	isible]	Emission	s Field Da	ta Sheets	3					
City: Grand Ledge State: MI Zip: 48857 same same Phone: 57-627-4017 1 C C O 91 C	Plant name: ADM			Observ	ation Date	3/18/	19	Start Time	18	28	End Time	192	8
Phone: 517-527-4017 i C	Address: 16994 Wright Rd	[SEC.	o	15	30	45	SEC	0	15	30	45
Source 50 K bph hi roller that feeds the 50 K leg 2 U 1 C 0 32 C U 1 C 0 33 C <thc< th=""> C <thc< th=""> C C C</thc<></thc<>	City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Source: 50 K bph hi roller that feeds the 50 K leg 2 0 1 0 92 0 <th< td=""><td>Phone: 517-627-4017</td><td></td><td></td><td>1</td><td>0</td><td>0</td><td>0</td><td>\mathcal{O}</td><td>31</td><td>0</td><td>0</td><td>Ũ</td><td>0</td></th<>	Phone: 517-627-4017			1	0	0	0	\mathcal{O}	31	0	0	Ũ	0
Source Number 3 C C C C Statup mean: Statup	Source: 50 K bph hi r	oller that feed	s the 50 K leg	2	0			0	32		Õ	ŝ	0
Process Equipment: Grain Operating Mode VC 4 O O J 94 O <	Source Number			3	\mathcal{O}	0			33		Ũ	Ô.	(2
Control Equipment: Baseford Operating Mode/O 5 J U	Process Equipment: Grain		Operating Mode	4					34		0		0
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Provide Construction 7 C <thc< th=""> C C C</thc<>	Describe Emission Point: Stack Or	the t	, , , , , , , , , , , , , , , , , , ,	6		0	Ō	0	36		Ō	0	0
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Distance from Observer production from Observer 9 U C O U 39 C C C C C C C C C C C C C C C C C C		Height Relative	to Observer			; 1						C	Ũ
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	Distance from Observer,			9					39	Õ			$\vec{\Omega}$
Pumer Type: Continuous O Puttive 2X Intermittent O n 0	Describe Emissions	Emission Color	T BRA	-				\overline{O}		ň			0
Water Droplets PresentPlume: Attached O Detached OAt What Point Was Opacity Determined13 U U U Q Q Q Q Q At What Point Was Opacity Determined13 U U U Q <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>t Č</td> <td></td> <td></td> <td>(</td> <td></td> <td>0</td>						0		t Č			(0
At What Point Uses poacty Determined GN /P Y Q 13 U U G 43 U U G G U U G G U U G U G U G U G U G U G U G U G U G U G U G U G U G U G U G U G U G U G U U G U G U G U G U U U G U U U G U U G G U U G G U U G G G U U G G G G G G G G	Water Droplets Present	Plume: Attache	d O Detached O					1 APR			$ _{O}$		Ø
Background S/L_O 14 \bigcirc \bigcirc \bigcirc 44 \bigcirc $\bigcirc \bigcirc$	At What Point Was Opacity Detern	nined			10	A Section and the		Selara Touladidai	e dinta di di	and the spinis		6	\mathcal{O}
Background Color Percent Cloud Cover Start/End 15 O D O 45 O O C Wind Speed // Start End Wind Direction From Start/ End 16 O O 46 O O 0			704	14	0			0					0
Wind SpeedStart EndWind Direction From Start/End160000000TemperatureStart EndHumiday291700046000Source Layou/SketchFraw North Arrols180004800019000049000020000050000210005500022000540002300055000240005500025000550002600058000270005800029000580003000059000480000580009000000580010100000580010100000000101010000000101010<	Background Color			15		0		\tilde{O}	45		\tilde{O}		0
Temperature Start End Humidika ZQ 17 D C L 47 U U U Source Layouf Sketch 18 U 0 0 48 0				16		$\hat{\Omega}$	0	$\overline{0}$	46	$\langle O \rangle$	Õ	\mathcal{O}	0
Source Layou/Sketch Draw North Arrole 18 0	Temperature / Start End	Humidity	70	17	1,7	ñ		10	1	~	()		0
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				20		0			50	0	_		6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Ìſ	Y-L	21					51	Ø	\mathcal{C}	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A second se	- dela	Tot I	22		0			52		C		0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11115-	Section of the sectio			C		C	C	53	C	0	С	Ũ
Emission Point $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$. Mana ang para a		24	Ō	Ũ			54	0	Marine Laterce	0	0
Emission Point $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				25	0	C	0	0	55	0	1,5		0
Emission Point 27 \bigcirc	-	. <u>-</u>	ļ	26	0	C	C	C	56		0		0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Emission Poin	t ĺ	27	0		C	C C	57	0	0	0	Û
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$;	L.		28	0	0	0	\mathcal{O}	58	Ø	(\mathcal{O})	C	0
70 70 Highest 6 Minute Average 2 # Readings Above 2% Were 2				29	C	C	C	0	59	C	Ð	\mathcal{O}	0
Highest 6 Minute Average # Readings Above% Were			_	30	∂	Ĉ	\overline{O}	C	60	Ø	0	\mathcal{O}	U
	70	0	-	Hig	hest 6 Min	ute Averaș	ge_O_		# Rea	dings Ab	ove_O		0
Observers Position Opacity Readings Minimum Maximum		Observers Posi	tion	Opa	city Readi	ngs Mini	mum	0		Ma	ximum	0	
Comments: Observers Name: RICK DENCEY	Comments:			Obse	ervers Nar	ne: K	CK-	REN	CEY				
Observers Signature Date: 3/18/19			Obse	ervers Sigr	ature (1	Land	_	****	Date: 3	18/19	3	
Organization: Environmental Services Decatur IL. 217-413-6618				Orga	inization:	Environm	ental Serv	ices Decat	ur IL.	217-413-6	618		
Certified by: Carl Koontz Associate Date: 9/26/11				Cert	ified by: (Carl Koont	z Associat	e			Date: 4	3/26/	18
Verified By: Date:				Veri	fied By:						Date:	/ /	

Plant name: ADM			Observ	ation Date	3/17	19	Start Time	(77	28	End Time	092	29
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	<u>~)</u>	15	30	Q 45
City: Grand Ledge	State: MI	Zip: 48837	MIN				10	MIN		5	5-	75
Phone: 517-627-4017			1	0	\mathcal{O}	٦ ،	\mathcal{O}	31	2	0	\mathcal{O}	0
Source: 50 K bph hi ro	ller that feeds	s the 50 K leg	2	O	0	0	$\langle \rangle$	32	(7	0	$\overline{0}$	\overline{O}
Source Number			3	\hat{O}	0	$\hat{\boldsymbol{(}}$	\tilde{O}	33	0	0	0	$\langle \rangle$
Process Equipment: Grain		Operating Mode	4	0	0	$\overline{\mathcal{O}}$	0	34	()	0	0	\mathcal{O}
Control Equipment: <u>Baghouse</u> BNCLP	(An	Operating Mode	5	0	0	0	0	35	i)	17	0	27
Describe Emission Point: Stack Out	tet *		6	\mathcal{O}^{*}	ð Ø	0	Ì Ø	36	O	\mathcal{O}	O°	O
- ALUNAUCE	NAGUS		7	$\overline{\mathcal{O}}$	0	() ()	\cap	37	\mathcal{O}	()	\mathcal{O}	\mathcal{O}
Height Above Ground Leyel	Height Relative	to Observer - 20 St	8		0	0	0	38	0	0	0	∂
Distance from Observer 30-60-52	Direction from		9	0	0	e e	0	39	()	0	0	17
Describe Emissions	Emission Color	. Bizown	10	$\frac{1}{0}$	D	$\frac{c}{c}$	O	40	0	0	()	$\overline{\mathcal{D}}$
<u>CURN DUST</u> Plume Type: Continuous O Fugir	tive: V Intermit	ttent O	11	$\hat{\alpha}$	0	0	0	41	E.	t)	0	0
Water Droplets Present	Plume: Attached	10 Detached O	12	0	1 O	6	\overline{O}	42	i ()	1	\circ	Õ
At What Point Was Opacity Determ	ined DONVO		13	()	$\langle \mathcal{O} \rangle$	(7	O	43	i)	()	()	$\overline{\mathbf{O}}$
Background RIUTEST	SIL(14	17	\overline{O}	0	Ũ	44	0	$\overline{\mathbf{U}}$	0	0
Background Color.	Percent Cloud C		15	Ú.	0	C	0	45	0	0	$\tilde{\mathcal{O}}$	0
Wind Speed Start End	Wind Direction	.From Start/ End	16	0	0	C	$\hat{0}$	46	17	\cup	\mathcal{O}	U
Temperature / Start End	Humidity	183	17	0	0	C	0	47	0	0	D	0
Source Layout/Sketch	····· > / /	Draw North Arrow	18	0	2	6	$ \mathcal{O} $	48	Ò	0	D	O
		(N)	19	$\overline{\mathcal{O}}$	<u> </u>	0	0	49	0	0	0	\mathcal{O}
			20	0	0	0	C	50	0	\bigcirc	0	0
			21	\bigcirc	0	D	0	51	\mathcal{O}	0	0	0
	\mathbf{Y}		22	C	0	ر،	\bigcirc	52	0	\mathcal{O}	C	\mathcal{O}
	-14	INT	23	0	0	0	0	53	\mathcal{O}	0	0	\mathcal{O}
			24	O_{\sim}	O S	$\circ \mathcal{O}$	Ð	54	\mathcal{O}	\circ	Ø	0
The second s		an a	25	Q	0.	0	\mathcal{O}	55	\mathcal{O}	0	\dot{c}	$ $ \bigcirc
			26	0	\mathcal{O}	0	C	56	C	0	ϕ	0
- Aring de - 1	Emission Point	t 🤾	27	0	0	\cup	0	57	0	0	0	0
			28	0	0	0	\bigcirc	58	<u></u>	\mathcal{O}	$\mathcal{O}_{\mathcal{O}}$	O
			29	0	0	0	0	59	\mathcal{O}	0	0	0
	~	30	(,	C	Ú,	0	60	\bigcirc	2	(7	$= C^2$	
										0		
	Observers Posi	tion	Opa	city Read	ings Mini	mum	0		Ma	ximum	0	-
Comments:			Obs	ervers Nai	ne: Ric	K	DANG	CP.	/			
				ervers Sig		Ant	Has			Date: 3	/19/19	?
			Org	anization:	Environm	iental Serv	rices, Deca	fur IL.	217-413-6	i618	/	
	***		Cert	ified by: (Carl Koont	z Associat	:e			Date: C	3/26	/18
Verified By: Date:												

Plant name: ADM			Observ	ation Date	3/21	119	Start Time	172	35	End Time	074	13
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN			, , , , , , , , , , , , , , , , , , ,		MIN			5	15
Phone: 517-627-4017	J	1	1	0	0	0	V	31	0	0	0	n
Source: 50 K bph hi ro	ller that feed	s the 50 K leg	2	0	0	0	U	32	0	10	1)	()
Source Number			3	Ο	0	U	0	33	0	C C	o	$\hat{\Omega}$
Process Equipment: Grain	·······	Operating Mode	4	0	- <u>0</u>	0	0	34	$\overline{\mathbf{n}}$	\overline{n}	()	17
Control Equipment: Bagkouse	0500	Operating Mode.	5	0	0	0	0	35	U	U	0	U
Describe Emission Point: Stack Ont	tet	24087	6	Ö	Ĉ	\tilde{o}	Ō	36	Ô	Ō	j	Ð.
17100	VD CUNV		7 7	<u></u>	U	O	67	37	0	0	2	\mathcal{O}
Height Above Ground Level	Height Relative	to Observer	8	- 0	0	0	0	38	\int_{0}^{U}	\overline{o}	0	U
<u>10-20</u> Distance from Observer	Direction from	<u>) - 70 56.</u> Observer	+	$\frac{v}{o}$	0	0	0		$\left \begin{array}{c} 0 \\ 0 \end{array} \right $		0	$\frac{0}{17}$
<u>30-60-ft</u> Describe Emissions	Emission Color		9	0	0	0	$\frac{0}{0}$	39 40	0	$\begin{vmatrix} 0 \\ 0 \end{vmatrix}$	$\frac{0}{0}$	U
Plume Type: Continuous O Fugit	tive: Intermit	TSTOWN ttent O	11		$\frac{v}{v}$	0	$\frac{0}{0}$	40	0	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	
Water Droplets Present	Plume: Attache	d O Detached O	88.05.5	0 0	0	1.3-36-52	0.	1.000	diffuild@dr+ 1000	ð.	$\overline{0}$	
At What Point Was Opacity Determ	ined	N/A	12			0		42	0 0	0 0	U U	
Background	HEOUND C	UNVE704C	13	0	0	0	0	43	0			$\frac{\partial}{\partial}$
Background Color	Percent Cloud C	Cover Start/End	14	0	$\begin{array}{c} 0\\ 0\end{array}$	$\begin{array}{c} 0\\ 0\end{array}$	$\frac{0}{0}$	44		$\begin{vmatrix} 0\\0 \end{vmatrix}$	0	
Wind Speed Start End	100 Wind Direction	//()70 From \$tart/ End	15	0	$\frac{0}{0}$		$\frac{\partial}{\partial}$	45	$\frac{0}{0}$		$\frac{\upsilon}{\upsilon}$	0
Temperature / Start End	413 NIN					$\begin{array}{c} 0 \\ 0 \end{array}$		46	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $		0
<u>35/35</u> Source Layout Sketch	9	5 / 4 7 Draw North Agrow	17	0	0	0	$ 0 \\ 0 $	47	0	$ $ \bigcirc	0 0	\cup
		21	18	\mathcal{O}	0	1.1.1100.01.1.25.55.55.99	$\frac{v}{v}$	-48	3	0) J	<u>ි</u> ර ට
		\square	19	0	$\begin{array}{c} 0 \\ 0 \end{array}$	0		49		0		
			20	Û	$\frac{\partial}{\partial}$	$\frac{0}{0}$	0	50	0	0	0	V
							0 -	51	0	0	0	$\overline{\mathcal{O}}$
	- the	int	22	ら う	$\frac{\upsilon}{0}$	0	$\frac{\partial}{\partial}$	52	0	0	0	\mathcal{O}
1			23	ð		0	$\downarrow 0$	53	D	U	U Second	U Lines
			24	0	0	0		54	0	0	<u>o</u>	ିତ୍
110			25		0	$\frac{0}{0}$	$\left \begin{array}{c} 0 \\ \end{array} \right $	55	0	0	0	$\overline{\mathbf{O}}$
	Emission Point	<u> </u>	26	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	$\frac{0}{2}$	$\frac{U}{n}$	56	0	0	5	2
	¶k ∫	l	27	0	$\begin{bmatrix} 0\\ 0 \end{bmatrix}$	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $		57	0	0	0	ر. ر.
			28	U V	<u> </u>	$ \underbrace{v}{2}$	$\downarrow 0$	58	0	0		\cup
			29	$\overline{0}$		$ \mathcal{Q} $	+0,-	59	0		0	
70	70	-	30	LV	ite Averag		$\downarrow U$	60	O		\cup	0
	Observers Position						~	# Rea	dings Abo		% Were	0
Cortin		٠ ٠	+		ngs Minin		2			imum_C)	
Comments: 570	1010	-/	+	rvers Nam		ck	VAN	ICE,	Y	<u> </u>	<u> </u>	
	810711	/		rvers Sign:		Tu/	1 Lau	r_		Date: 3	<u> 2[[(</u>	9
			Orga	nization: 1	Environme	ental Sery	ices, Decat	ur IL.	217-413-66	518 <i>l</i>	_/	<i>q</i>
			Certi	fied by: C	arl Koontz	Associate		-		Date: 9	126/	18
			Verif	ìed By:						Date:	<i>i</i> *	

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Plant name: ADM			Observ	ation Date	3-18-	- 19	Start Time	18	32	End Time	193	32
Address:			SEC ₉	0	15	30	45	SEC	0	15	30	45
	State:	Zip:	MIN					MIN				
Phone:			1	0	Ø	0	6	31	O	0	0	0
Source: 30 K bph .	high Ro	ller uptor	2	O	Õ	Õ	Õ	32	0	0	O	0
Source Number	<u> </u>	,	3	O	O	0	0	33	O	0	0	0
Process Equipment: GRAIN	ν.	Operating Mode	4	O	Ô	Ō	Õ	34	0	0	0	8
Control Equipment:	sed	Operating Mode	5	0	Õ	0	Ò	35	\mathcal{O}	ð	0	Õ
Describe Emission Point Con U	JEYOR		6	0	Ò	Ø.	Ø	36	0	O	0	0
			7	Ø	0	O	Õ	37	Ð	0	O	0
Height Above Ground Level	Height Relative	e to Observer	8	Õ	0	Õ	0	38	0	0	0	Õ
Distance from Observer , 1.5ϕ	Direction from		9	Ð	Õ	Ô	0	39	0	O	0	0
Describe Emissions GRAIW	Emission Color	icht GRAY	10	0	Õ	0	0	40	0	0	0	Ø
Plume Type: Continuous O Fugi	tive: Interm	ittent O	11	0	Õ	0	D	41	O	0	0	0
Water Droplets Present アゾ ゼ	Plume: Attache	d O Detached O	12	Ø	Ō	0	ð	42	Ō	0	0	Ø
At What Point Was Opacity Determ	ined 1	CONVEYOR	13	O	0	ð	0	43	O	Ø	O	O
Background SKY AWD			14	Õ	Ô	O	0	44	0	0	O	0
Background Color C-RAY - Y-ellow	Percent Cloud	$\frac{2 \times 0 \times 510}{50}$	15	0	0	Ø	0	45	0	O	0	0
Wind Speed Start End 0-10 0-10	Wind Direction	n From Start/ End	16	0	0	O	0	46	0	0	0	0
Temperature Start End	Humidity 3	G.	17	0	O	0	0	47	0	0	0	0
Source Layout Sketch		Draw North Arrow	18	Ø	Ø	O	\mathcal{O}	48	O	Ø	Ø	0
	15 1	(\mathbf{E})	19	0	0	O	0	49	0	0	0	0
that si	10	Ċ	20	Ô	0	0	0	50	0	0	O	O
the si			21	Ø	Õ	O	\mathcal{O}	51	0	O	0	0
			22	O	Õ	O	\bigcirc	52	0	\bigcirc	Ø	O
1 AM		9	23	Õ	Ø	O	Ø	53	O	0	O	Ø
)	24	Ø	O	Ø	Õ	54	Ø	Ø	Ø	O
)	25	0	O	Ø	O	55	0	0	O	O
	// ~ ~		26	0	O	O	0	56	Ø	\bigcirc	Ø	O
	Entrission Poir	it -	27	∂	Õ	O	0	57	Ø	0	\mathcal{O}	0
	1)	$\boldsymbol{\lambda}$	28	O	Ø	O	O	58	\bigcirc	0	O	0
		l	29	O	0	O	Q	59	0	Õ	0	O
	\square	-	30	0	Ø	Ø	O	60	Ø	Ø	0	0
70	70	~	High	est 6 Minu	ite Averag			# Rea	-	ove O		2
west	Observers Post	ition	Opa	city Readin	ngs Minin	mum	<u>)</u>		Max	imum_O		-
Comments:	~		Obse	rvers Nam	e: Sam Tu	irner			~			
			Obse	rvers Sign	ature	Scim	010	u	may	Date: 📮	3-18	-19
			Orga	nization:	Environm	ental Servi	ices, Decat	ur IL.	217-413-6			
			Certi	fied by: C	arl Koontz	Associate	2			Date: 🛻	, 3	-15-19
			Verified By: Date:									

A.

Plant name: ADM			Observ	ation Date	3-19-	-19	Start Time	8:3	19	End Time	9,2	9	
Address: 16994 Wright Rd			SEC	o	15	30	45	SEC	0	15	30	45	
City: Grand Ledge	State: MI	Zip: 48837	MIN		1			MIN					
Phone: 517-627-4017	1	L	1	0	0	O	ð	31	Ø	\circ	0	0	
Source: 30 K bph high	roller up top		2	0	0	0	0	32	0	0	0	0	
Source Number			3	0	0	0	0	33	J	0	Ì	0	
Process Equipment: Grain		Operating Mode $\gamma \downarrow \downarrow \leq \gamma$	4	0	0	0	0	34	0	0	ð	0	
Control Equipment: Regionse	10 sed	Operating Mode	5	0	0	O	0	35	0	3	0	0	
Describe Emission Point: Stack Out		evor	6	\mathcal{O}	0	0	0	36	Ø	Ø	\circ	0	
			7	0	0	0	0	37	Ø	0	Ø	0	
Height Above Ground Level	Height Relative	to Observer	8	0	0	O	0	38	0	0	0	0	
Distance from Observer	Direction from	observer 2 Worth	9	C	C)	0	0	39	2	0	0	0	
Describe Emissions,	Emission Color	Nowe	10	0	0	0	0	40	0	∂	0	Ø	
Plume Type: Continuous O Fugi	tive: Intermi		11	2	0	ð	0	41	0	0	Ø	0	
Water Droplets Present	Plume: Attache	d O Detached O	12	\mathcal{O}°	Ø	Ø	0	42	Ø	0	ð	O	
At What Point Was Opacity Determ		1	13	0	0	\mathcal{O}	0	43	0	0	0	Ø	
Background SKY &	1010	Conveyor	14	0	0	0	0	44	0	0	ତ	\odot	
Background Color	Percent Cloud (15	0	0	0	0	45	3	0	0	C	
Wind Speed Start End C-S O-S Mich	$\overset{\text{Wind Direction}}{\mathcal{WE}}$	From Start/ End.	16	0	0	O	0	46	3	Ö	Ì	0	
Temperature Start End	Humidity		17	0	\mathcal{O}	0	0	47	Ø	0	0	0	
Source Layout Sketch	2 st	Draw North Arrow	18	Ø	\mathcal{O}	0	0	48	\mathcal{O}	$\circ \mathcal{O}$	O	0	
	- 1	(\rightarrow)	19	C	0	0	0	49	3	1	Ø	0	
		0	20	C	0	0	Ø	50	O	0	0	0	
SKY	/		21	0	0	0	6	51	Ø	O	Ø	0	
south +		~ ~ wath	22	O	0	0	O	0	O	Ø			
jour oril	ð		23	0	0	0	0	0	0	\mathcal{O}			
south still	1->150	1 Mml	24	0	0	0	D	54	0	0	0	Ø	
			25	0	0	0	σ	55	O	0	0	\bigcirc	
11 4-75'	Emission Point		26 0 0 0 0 56							0	0	0	
	Chussion Point		27	o	0	0	0	57	0	0	0	0	
	1		28	0	0	0	0	58	0	0	0	0	
			29	0	0	0	$ \bigcirc$	59	Ø	0	0	0	
		-	30	0	0	0	0	60	Ø	0	0	0	
		ion .	<u> </u>		ute Averag		2	# Rea	dings Abo	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	6 Were C		
1-1751	<u>5</u> 2		<u> </u>		ngs Minin					imumC	-		
Comments:			+	rvers Nam		Am	101	210	eR	<u> </u>	. 7		
			+	rvers Sign	s	Sci	210	lu	non	Date: 3	~17-	-17	
	<i>'</i>		+				ices, Decat	ur IL.	217-413-66		2.10-	10	
			+		arl Koontz	Associate	e			+	3-15-	17	
			Verified By: Date:										

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Plant name: ADM			Observ	ation Date	-21	-19	Start Time	82	1	End Time	7;4	6
Address: 16994 Wright	Rd		SEC	o	15	30	45	SEC	o	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017			1	O	\mathcal{O}	0	0	31	6	\mathcal{O}	0	0
30 K bph l	ugh roller up top	2	2	0	0	0	∂	32	0	Ø	0	\mathcal{O}
Source Number			3	0	O	O	0	33	Ô	0	0	0
Process Equipment: Grain		Operating Mode	4	O	ð	0	0	34	0	0	0	0
Control Equipment: Baghouse	1005ed	Operating Mode	5	0	0.	0	0	35	0	0	O	ş
Describe Emission Point: Stad		ror	6	ð	Ø	0	O	36	Ø	0	O	0
			7	0	0	0	0	37	Õ	D	D	0
Height Above Ground Level	Height Relativ	e to Observer	8	0	\mathcal{O}	0	Õ	38	0	\mathcal{O}	0	0
Distance from Observer $O = 75$	Direction from	Slegth West	9	0	0	\overline{O}	$\overline{\Delta}$	39	0	ŏ	0	õ
Describe Emissions	Emission Colo		10	0	0	0	0	40	0	0	0	0
Plume Type: Continuous O	Fugitive: Y Intern		11	Ø	0	0	5	41	0	0	0	Õ
Water Droplets Present	Plume: Attach	ed O Detached O	12	$\overline{\sigma}$	0	Õ	0	42	\tilde{O}	ð	Ō	O
At What Point Was Opacity De	termined ALOU	id conveyor		0	$\widehat{\mathcal{O}}$	0	$\overline{\mathbf{a}}$	43	O	$\overline{\mathcal{O}}$	$\overline{\mathcal{O}}$	0
$\frac{1-3}{1-3}$	DIVJEYOR	· · · ·	14	$\overline{\mathcal{O}}$	0	1 n	0	44	Ø	0	0	0
Perlament Color	Percent Cloud	Cover Start/End	15	0	0	3	∂	45	Ø	0	0	D
Wind Speed Start End	Wind Direction	on From Start/ End	16	0	0	0	0	46	ŏ	0	0	0
Temperature Start End	Humidity	97%	17	10	ŏ	0	0	47	0	0	0	0
36 37 Source Layout Sketch		Draw North Arrow	18	O	Õ	O	0	48	Ø	Ø	0	$\overline{\circ}$
CI CI	1 and		19	0	0	3	$\overline{\mathcal{O}}$	49	O	Ð	0	0
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	5710		21	Ð	0	0	0	51	$\frac{1}{2}$	0	ŏ	Õ
	х	· · ·	22	0	C	ŏ	O	52	O	Õ	0	Ö
75'	منها کې نو	15' ~	23	õ	0	O	10	53	0	0	0	Õ
150	. 1	21/-	3 24	0	a	0	0	55	0	Ø	0	G
	1 43		1.20	0	0	0	0	55	\overline{O}	$\overline{\bigcirc}$	0	Ò
	*/		25 26	0	0	0	6	55	Õ	0	0	0
	_ Emission Poi	nt A		0	0	0	0	57	0	0	0	$\overline{\partial}$
	$\langle \varphi \rangle$		27 28	0	0	0	B	57		0	0	C
			20	0	0	0	0	59	0	0	0	O
			30	0	0	Ö	0	60	0	0	$\frac{0}{2}$	1×
	70 70			hest 6 Min					adings Ab		% Were_	$\frac{1}{2}$
onet	Observers Po	sition LUN		city Readi			0			ximum ()	<u></u>
Comments: 5 Lo #	Q + : 1	1	+	ervers Nat				ALC				
Stight	910			ervers Sigi		<u>4m</u>	1 OK	NE	-	Date: 7	-11	_ 14
	1 1 2	· · · · ·	`	·		- Jul	vices, Deca	<u>tur 11</u>			1-1	- []
			+						217-413-6	1 -	2-14	- i (
				-	Jari Kooni	z Associat			<u>.</u>	Date:	2-12	1
			Veri	ified By:					1	Date:		

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Plant name: ADM			Observ	ation Date	3/19/	19	Start Time	16	35	End Time	1735	
Address: 16994 Wright Rd			SEC,	o	15	<i>i j</i> 30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017			1	()	υ	υ	(2	31	0	0	0	0
Source: 15K bph drag 1	from 50K leg l	back to house	2	Ö	U	Ð	Ũ	32	0	θ	U	0
Source Number			3	U	0	0	0	33	0	0	0	0
Process Equipment: Grain		Operating Mode 465	4	10	Ũ	0	0	34	0	0	0	Ø
Control Equipment: Baghouse	10507	Operating Mode	5	Ó	O	O	D	35	Ø	U	O	υ
Describe Emission Point: Stack Out			6	Ð	0	0	0	-36	0	- O	ಿಲ್ಲಿ	0
· · · ·			7	ΰ	0	υ	0	37	0	0	0	0
Height Above Ground Level	Height Relative		8	0	0	U	0	38	0	0	0	0
Distance from Observer $5 - 70$ M	Direction from		9	0	0	0	0	39	0	0	U	υ
Describe Emissions GRAIN DUST	Emission Color		10	Ũ	0	0	0	40	0	0	0	0
Plume Type: Continuous O Fugi	tive: 🗙 Intermi	ttent O	11	0	0	O	D	41	0	0	Ũ	0
Water Droplets Present $\mathcal{N} \mathcal{O}$		d O Detached O	12	Ø	Ø	$\circ \mathcal{O}$	0	42	0	0	0	O
At What Point Was Opacity Determ	ined NDCON	VEYER	13	0	U	υ	0	43	0	0	U	Ũ
Background a c	VOYOR 1		14	9	0	0	Ø	44	0	0	O	\mathcal{O}
Background Color / ! W/1170 / BLVE / CT2A/	Percent Cloud C	2/50	15	\mathcal{O}	\mathcal{O}	0	D	45	0	O	0	0
Wind Speed Start End	1 56	From Start/End	16	Ö	0	Ø	0	46	0	0	0	0
Temperature /Start End 47/47	Humidity 42	/42	17	0	0	0	0	47	0	0	0	Ũ
Source Layout Sketch		Draw North Arrow	18	0	Ø	0	\mathcal{O}_{i}	48	0	0	0	0
Γ	Π	N	19	\mathcal{O}	0	0	D	49	0	0	0	\mathcal{O}
			20	0	0	0	0	50	Ő	0	0	0
			21	Ð	0	0	0	51	0	0	U	0
			22	0	0	Ø	0	52	0	0	<u></u>	0
			23	0	0	0	0	53	Q	0	0	0
			24	0	0	0	0	54	Ö	0	\mathcal{O}	Ø
"E-TC			25	0	0	0	\mathcal{O}	55	۵	0	0	0
			26	0	$\frac{0}{0}$	$\frac{0}{0}$	0,	56	0	0	U	0
(Emission Point						\cup	57	Ô	0	0	0
\ \	₩						0	58	0	0	0	0
			29	0	0	0	0	59	0	0	0	D
		- .	30	0	0	0	\mathcal{O}	60	0	0	0	0
70	70 Dharman Barrie	11 m	High	est 6 Min	ute Averag			# Rea	dings Abo	ove_0_9	% Were	0
	Observers Posit	10n	Opa	city Readi	ngs Minir		<u>^</u>		Мах	cimum	0	
Comments:			Obse	rvers Nan	ne: RI	CK 1	DANG	Ċγ		·····	- <i> </i> ,	
				rvers Sign	<u>(</u>	An		neg e		Date: 3	<u> 19/1</u>	9
			Orga	nization:	Environm	éntal Serv	ices, Decat	úr IL.	217-413-6	618		
			Certi	fied by: C	arl Koontz	Associate	2			Date: 4	9/26,	18
			Verified By: Date:									

Image: ADM Observation Date $\overline{3}/19/19$ Start Time $\overline{3}/0$ End Time $\overline{443}$ Address: $f6994$ $W/R/0HT$ RD State: $M/1$ Zip: 48837 MIN GRAND L5D6E State: $M/1$ Zip: 48837 MIN MIN Phone: $5/7 - 627 - 4017$ I 0 Source: 15 K BPH DPAK- PROM SO K 2 0 0 0 0 0 0 0 0 0 0 0<			USEPA Method 9	Visible 1	Emission	s Field D	ata Sheet	e .				14	2 <i>1</i> °
Address: // 6 994 W/2(047 P2) src, 0 15 50 67 50 0	Plant name: ADM					<u> </u>		T	17			173	76 7 (2)
GRAND LIDD(-F) State: M1 / Zip: 4/3837 uns		ILANT 20							l l			175,	r ev
Phone: \$1'' O O O 0					-	.,	J¢	43		0	'5	30	45
Source 1/2 // 3.PH DRAF. PDB /r 50 // 2 0	Phone: (17 / 27 - 1/0)	7	z.p. [3037		0	~	D	Ω		0		6	0
Source Number 3 0 0 0 33 0 0 0 Process Lupiment: Operating Mode 4 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>0</td>							0				0		0
Process Equipment: Operating Mode (MLUSSGT) 4 Operating Mode (MLUSSGT) 0 (MLUSSGT) 0 (MLUSSGT)		om sok					0				\cup		0
Control Equipment: Operating Mode 5 O O O U 35 O <	Process Equipment:		Operating Mode										0
Describe Emission Paint Describe Emission Describ Emission Describe Emission	Control Equipment:												D
PHLOD CD CD VC / C1 7 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 7 0	Describe Emission Point		YES		CONTRACTOR	ARROW AND ANY		Interior ana and a	a way to get	No. 332 6 160 Sec.	Carle Contact	12.1.577.6182/23014	0
Height Above Ground Level Height Relative to Observer 8 0	ATOUND CON	NEYOR		0.20424	contract contractor	10.20.00222440000	1 - 6 - 1 - 5 - 7 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	CONTRACTOR OF THE OWNER	36				0
Distance from Observer 9 0 0 0 33 0 0 0 Decrifie Emissions Emission Color CT N/N (L) 10 0	Jeight Above Ground I aval	Height Relative	to Observer										0
Describe Ensistence Emission Color CT B2BCW 10 0	130 St	Direction Com	-15 St.	8					38				0
G224/h TMCT B260/N 10 0	20-40 st.	Emission Calas	NNW	9	U	0		0	39	0			0
Water Droplets Present At What Point Wes Opsity Determined At What Point Wes Opsity Determined Background SKY / CONVEYOR LUCC. 10 0<	GRAIN NICT	CT.	BROWN	10	0	0	0		40	0	Ò	0	0
At What Point Wes Operty Determined 13 0		-			0	0			41	0	0	ð	D
I = 242 $AP20$ $CONVPYOR$ 13 O O O 43 O O O Background SKY $CONVPYOR$ LGL 44 O O O $A4$ O O O $A4$ O O O O $A4$ O	- NO		d O Detached O.	12	0	\mathcal{O}	0	0	42	0	0	Ø	0
SKY CONVEYOR LGC 14 O O O 44 O O O 44 O	1-25t Ai	ined 2011 D CO	NVEYOR	13	0	0	0	D	43		0	0	D
Wind Speed? Start End Start Find Wind Direction From Start/ End Start Find 16 0 0 0 46 0 0 0 Temperature /Start End Hunidity 57/57 77 0 0 0 0 48 0<	~ SKY / CO	NVEYOR L	56-	14	0	0	0	0	44	0	0	0	0
SAP2/ 10-75-77.12 SSU/2C 10 0 <td>Background Color</td> <td>Percent Cloud C</td> <td>Cover Start/End</td> <td>15</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>45</td> <td>0</td> <td>Ð</td> <td>0</td> <td>D</td>	Background Color	Percent Cloud C	Cover Start/End	15	0	0	0	0	45	0	Ð	0	D
421/45 57/57 17 0 0 47 0 <t< td=""><td>XMDUL IN ASMIN</td><td>SSU SSU</td><td>From Start/End $\int \int S \omega$</td><td>16</td><td>0</td><td>0</td><td>0</td><td>0</td><td>46</td><td>0</td><td>٥</td><td>0</td><td>D</td></t<>	XMDUL IN ASMIN	SSU SSU	From Start/End $\int \int S \omega$	16	0	0	0	0	46	0	٥	0	D
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22 0 0 0 52 0 0 23 0 0 0 53 0 0 23 0 0 0 53 0 0 24 0 0 0 54 0 0 24 0 0 0 55 0 0 25 0 0 0 55 0 0 26 0 0 0 56 0 0 26 0 0 0 58 0 0 27 0 0 0 58 0 0 29 0 0 0 59 0 0 29 0 0 0 59 0 0 30 0 0 0 56 0 0 30 0 0 0 59 0 0 30 0 0 0 56 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>50</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>				20	0	0	0	0	50	0	0	0	0
23 0 0 0 53 0 0 24 0 0 0 54 0 0 0 25 0 0 0 55 0 0 0 25 0 0 0 55 0 0 0 26 0 0 0 56 0 0 0 27 0 0 0 58 0 0 28 0 0 0 58 0 0 29 0 0 0 59 0 0 30 0 0 0 50 0 0 70 70 70 0 0 0 59 0 0 30 0 0 0 0 60 0 0 0 70 70 70 0 0 0 0 0 0 30 0 0 0 0 0 60 0 0 <tr< td=""><td></td><td></td><td></td><td>21</td><td>0</td><td>0</td><td>0</td><td>0</td><td>51</td><td>0</td><td>0</td><td>0</td><td>Ø</td></tr<>				21	0	0	0	0	51	0	0	0	Ø
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25 0 0 0 55 0 0 Emission Point 26 0 0 0 56 0 0 27 0 0 0 57 0 0 0 28 0 0 0 58 0 0 29 0 0 0 59 0 0 70 70 0 0 0 59 0 0 70 70 0 0 0 0 60 0 0 70 70 0 0 0 0 59 0 0 30 0 0 0 60 0 0 60 0 0 0bservers Position 0 0 0 0 0 0 0 0 0 0 70 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			01	24		0	0	D	54	0	1 10 10 10 10 10 10 10 10 10 10 10 10 10	White the work of the	0
Emission Point 26 0 0 0 56 0 0 27 0 0 0 57 0 0 0 27 0 0 0 57 0 0 0 28 0 0 0 58 0 0 0 29 0 0 0 59 0 0 0 30 0 0 0 0 60 0 0 70 70 0 0 0 0 0 0 0 30 0 0 0 0 0 0 0 0 0 00 0 0 0 0 0 0 0 0 0 0 00 0 0 0 0 0 0 0 0 0 0 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	and the second	•		25	0	0	Ø	0	55	O	0	0	0
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29 0 0 0 59 0 0 70 70 70 30 0 0 0 60 0 0 90 0 0 0 0 0 0 0 0 0 90 0 0 0 0 0 0 0 0 0 90 0 0 0 0 0 0 0 0 0 0 90 0 <td><.</td> <td>کل ا</td> <td></td> <td>28</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>58</td> <td></td> <td></td> <td></td> <td>D</td>	<.	کل ا		28	0	0			58				D
70 70 0 0 <td< td=""><td></td><td></td><td></td><td>29</td><td></td><td></td><td></td><td></td><td>59</td><td></td><td></td><td></td><td>0</td></td<>				29					59				0
70 70 70 Highest 6 Minute Average # Readings Above 0% Were Observers Position Opacity Readings Minimum 0 Maximum 0 Comments: \$TOP 1313 Observers Name: Same Partier RICK ANCE / STAPT 1318 \$TOP 1341 Observers Signature Date: 3/19/1				30					60	0			0
Opacity Readings Minimum O Maximum O Comments: STOP 1313 Observers Name: Barn Partier RICK DANCEY START 1318 STOP 1341 Observers Signature Date: 3/19/1	70	70	-	High	est 6 Min	ute Averag	~		# Rea	dings Abc			6
57APT 1318, 570P 1341 Observers Signature Date: 3/19/1		Observers Posit	ion	Opac	ity Readin	ngs Mini	mum(2		Max	imum	0	
57APT 1318, 570P 1341 Observers Signature Date: 3/19/1	Comments: STT)P 1313		*****	Obse	rvers Nam	ie: Sam T e		Zick	$\overline{\mathcal{D}}$	ANCI			·····
		STOPI	341	Obse	rvers Sign	ature 🥢	1	¥Z	7		1	tigti	7
		·		Orga	nization:	Environm	ental Serv	ices, Decat	ur IL.	217-413-66	518	<u>· · · · · · · · · · · · · · · · · · · </u>	
START 1359 STOP1401 START 1408 Certified by: Carl Koontz Associate Date: 2-23-2017		, , , , , , , , , , , , , , , , , , , ,	NOT-MOS	Certi	fied by: C	arl Koontz	Associate	e .			Date: 2-2	3-2017- G	126/18
Verified By: Date:	-11-1- 1.757 5109	- 101, STF	74 100	Verif	ied By:						<u> </u>		100/18

Plant name: ADM	8,49 Kana		Ohserv	ation Date	3/14	119	Start Time	153	.7	End Time	1632		
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	0	15	30	45	
	State: MI	Zip: 48837	MIN		·			MIN					
Phone: 517-627-4017	L	L	1	Ø	0	Ø	0	31	()	O	0	D	
Source: 15K bph drag f	rom 50K leg l	back to house	2	()	0	0	D	32	0	0	0	D	
Source Number			3	Ü	Ũ	0	0	33	0	0	0	0	
Process Equipment: Grain		Operating Mode	4	U	0	0	U	34	Ŭ	0	0	0	
Control Equipment: Bagheuse ENCLUS	AD .	Operating Mode	5	Û	0	Û.	0	35	0	0	0	0	
Describe Emission Point: <u>Stack Out</u>	Let CONV542	R	6	12	0	0	0	36	()	0	\circ	0	
			7	J	0	0	0	37	0	0	0	0	
Height Above Ground Level	Height Relative	to Observer -15 St ·	8	υ	6	υ	Ò	38	0	0	Ü	0	
Distance from Observer 20-40-50	Direction from		9	0	0	0	0	39	0	0	0	0	
Describe Emissions GRAIN DUST	Emission Color	BROWN	10	0	Ŭ	U	0	40	0	0	0	0	
Plume Type: Continuous O Fugit		ttent O	11	ð	Û	0	D	41	Ũ	Ü	0	U	
Water Droplets Present NO		d O Detached O	12	0	0	0)	42	Ø	0	0	Ø	
At What Point Was Opacity Determine $1-24t$ Af	ined 20UND CON		13	O	0	0	0	43	0	0	0	0	
Background SKY/CONVE	SYOR WT		14	υ	0	Ø	0	44	0	0	0	0	
Background Color / WINTO / BLUE CRAY	Percent Cloud	over Statt/End97	15	0	0	0	0	45	Ũ	0	0	0	
Wind Speed Start End	Wind Direction	From Start/End	16	Õ	0	0	0	46	0	0	0	D	
Temperature Start End <u>47/47</u>	Humidity 9	12/42	17	0	0	0	0	47	O	0	0	O	
Source Layout Sketch		Draw North Arrow	18	0	0	\mathcal{O} .	\mathcal{O}_{*}	48	0	0	0	O	
		$(N)^{+}$	19	Ũ	0	U	0	49	0	0	0	D	
			20	0	0	0	0	50	Ð	0	0	0	
			21	0	0	0	0	51	0	0	Ø	0	
			22	0	0	0	0	52	O	0	0	0	
(n) -			23	0	0	0	0	53	0	0	0	0	
1 Alathan		7 1	24	0	0	0	O	54	Ð	0	\mathcal{O}	\mathcal{O}	
			25	0	0	0	0	55	0	0	0	0	
4 1 1	Parte Part		26	0	0	0	0	56	0	0	0	D	
	Emission Point	Ε	27	0	0	0	0	57	0	0	0	0	
۲۵ ۱	Ĩ		28	0	0	0	0	58	0	0	0	Ð	
			29	Ű	0	0	0	59	0	0	0	ð	
70	70	-	30	0	0	0	Ø	60	\mathcal{O}	0	0	0	
70	Observers Posit	ion	High	est 6 Mint	ite Averag			# Rea	dings Ab	ove_0_		0	
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Comments:			+	rvers Nam		K	ANCO	37				·	
			-	rvers Sign	-4-	600	tag		400000 ····	Date: 3	<u> 19/1</u>	9	
			+			ental Sérvi		ur IL.	217-413-6	618		;	
			+		arl Koontz	Associate				Date: 4	<u>7/26 </u>	18	
L			Verified By: Date:										

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Address: 16994 Wright RdCity: Grand LedgeState: MIZip: 48837MINSec.0153045Phone: 517-627-40171 \bigcirc <	Plant name: ADM			Observ	ation Date	3-19-	19	Start Time	13:1	0	End Time	14:	38	1
Phone: 57-67-4077 1 0	Address: 16994 Wright Rd							45	SEC	0	15			1
Nummer $g \in V h ph \ pt \ recharm p^{-1} \left(R_{ph} \right) \right) 2 S $	City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN					Ĺ
Source 5x toph pit rechar P i (Right) 2 0 5 0 <t< td=""><td>Phone: 517-627-4017</td><td>-</td><td>1</td><td>7</td><td>Ø</td><td>0</td><td>0</td><td>0</td><td>31</td><td>0</td><td>Ø</td><td>0</td><td>0</td><td> _</td></t<>	Phone: 517-627-4017	-	1	7	Ø	0	0	0	31	0	Ø	0	0	_
Source Number 3 0 0 0 33 0	Source: 15 K bph pit r	eclaim P	(RAN)	2	0	5	0	5	32					1
Process Equipment: Geals Operating Mode 4 O O O S O	Source Number			3	Ø	0		1	33					
Control Equipment: Series of the series of	Process Equipment: Grain		Operating Mode	4	O	0	0							
Describe Emission Point: SeameCautie Pit Cutile Pit	Control Equipment: Baghouse		Operating Mode	5					35					1
Height Abar Ground LevelHeight Relative to Observer7COO57OOOODiffance from OperatorDiffection from Observer9OO098OOSDiffance from OperatorDiffection from Observer9OOC38OOOSDiffance from OperatorDiffection from Observer9OOC64OOODescribe EnvironmentedFilmer Type Constituented11OOO00OOOMatter Despitet DirementedInformation ObserverInformation Observer13OOO0OO <td< td=""><td>Describe Emission Point: Steek Qu</td><td></td><td>1 1</td><td>6</td><td>0</td><td>0</td><td>0</td><td>0</td><td>36</td><td>0</td><td>O</td><td>0</td><td>O</td><td></td></td<>	Describe Emission Point: Steek Qu		1 1	6	0	0	0	0	36	0	O	0	O	
Height Abges Ground Level Height Relative to Observer 8 0 0 38 0 0 0 5 Distance from Observer 9 0 0 39 0<				7	A	And a lost of	0	0	37	O	0			4
Distance from Observer binder between 9 0 0 0 0 0 0 0 0 0 0	Height Above Ground Level				e									1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Distance from Observer	Direction from	Observer	9	1	1		+						1
Plane Type: Continuous O Pugitive? Infermittent O n O O 4 O O O Water Droplets Present Plumi: Attached O Detached O H O O O 4 O O O At What Point Was Opacity Peternained H -3 F1 13 O O O 44 O O O Background Control Vial Of Contro Of Control Vial Of Control Vial Of Control Vi	Describe Emissions	Emission Color				+								1
Water Dropets Present Plane Attached O petahed O 12 0			ttent O							·		+		1
At What Point Was Opedity Determined $1 - 3$ $1 + 3$ 0 0 $0 + 3$ 0 0 0 Background $0 + 3$ 0		Plume: Attache		69.44		Charles I to	L	distant marine	1.6.12			1000 T 100 T 10		
Background CORV High d CAOUNCI-MILLIM 14 COOCO CO 44 COOO Bockground Color Row N Start End S 20 15 COO CO Source Layout Sketch of N Wind Direction From Start End 60 0 CO 45 COO Source Layout Sketch of N W COOCO Start Pad 60 0 COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO COO Source Layout Sketch of N W COOCO A 45 COO COO Source Layout Sketch of N W COOCO COO Source Layout Sketch of N W W COO Source Layout Sketch of N W W W COO Source Layout Sketch of N W W W W W W W W W W Source Layout Sketch of N W W W W W W Source Layout Sketch of N W W W W W W W Source Layout Sketch of N W W W W W W W W W W W Source Layout Sketch of N W W W W W W W W W W	At What Point Was Opacity Detern		<i>k</i>	Classific.	100 000 000 00 00 00 00 00 00 00 00 00 0		1. 1. 1. 1. 1. 1. I.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12900 22	<u>. (93) : 19 : 19 : 19 : 19 : 19 : 19 : 19</u>	1986 12 20 18 1 1999 2			1
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Wind Speed, I. Start End M. Wind Direction From Start/ End Source Layout Sketch M. M. Wind Direction From Start/ End Source Layout Sketch M. M. S. S. Stop 13:13 Source Layout Sketch M. M. S. S. Stop 13:13 Comments:	Background Color Bing AROWN	Percent Cloud											a	1
Temperature Start Eader 1 Humidity 1/2 7 0 0 0 47 0 0 0 Source Layout Sketch 0 N W Draw North Arrow 18 0 0 0 47 0 0 0 0 Source Layout Sketch 0 N W Draw North Arrow 18 0 0 0 44 0	Wind Speed, Start End	Wind Direction	From Start/ End	16	O		+			0				1
Source Layout Sketch (2) N the determinant (3) Draw North Arrow (3) $(3$	Temperature Start End	Humidity		17			0	0						1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Course Towerst Cleater Ca a			1	C. IN MANAGE SAL	a contractor of the	0	0	6.765.98	CONTRACTOR NOT	and Plantar and			
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$. 1		21				0	51		+			1
23 0 0 53 0 0 0 1111 - p;t 24 0 0 0 54 0 0 0 24 0 0 0 55 0	CORN	Pield		22		0			52		0			1
FAU2 FNAIL LAAR 1111 Pit 22 0 0 54 0 0 1111 Pit 22 0 0 55 0 0 0 26 0 0 55 0 0 0 0 26 0 0 56 0 0 0 0 27 0 0 0 57 0 0 0 28 0 0 0 58 0 0 0 29 0 0 0 59 0 0 0 29 0 0 0 60 0 0 0 29 0 0 0 60 0 0 0 20 0 0 0 0 0 0 0 20 0 0 0 0 0 0 0 20 0 0 0 0 0 0 0 20 </td <td></td> <td></td> <td></td> <td>23</td> <td>1</td> <td>0</td> <td></td> <td></td> <td>53</td> <td></td> <td>0</td> <td></td> <td></td> <td>1</td>				23	1	0			53		0			1
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Emission Point 27 O O O O 57 O O O O 28 B O O O 58 O O O 29 O O O O 59 O O O 29 O O O O 59 O O O 29 O O O O 60 O O O 30 O O O O 60 O O O O Highest 6 Minute Average 10 # Readings Above 5% Were O Highest 6 Minute Average 10 # Readings Above 5% Were O Highest 6 Minute Average 10 # Readings Above 5% Were O 50 + 13; 13 Observers Name: 5+AAA + 13; 18 $5+op$ 18.41 Observers Signature $5am$ Muman Date: 5+AAA + 13; 18 $5+op$ 18.41 Observers Signature $5am$ Muman Date: 5+AAA + 13; 59 $5+op$ 18.41 Observers Signature $5am$ Muman Date: 5+AAA + 13; 59 $5+op$ 18.41 Observers Signature $5am$ Muman Date: 5+AAA + 13; 59 $5+op$ 18.41 Observers Signature $5am$ Muman Date: 5+AAA + 13; 59 $5+op$ 14.02 $5+mat$ 14:08 Certified by: Carl Koontz Associate Date:	1		ТіЧ			1		0	56	-				1
$\frac{28}{29} \bigcirc 0 & 0 & 0 & 58 & 0 & 0 & 0 & 0 \\ 29 & 0 & 0 & 0 & 59 & 0 & 0 & 0 & 0 \\ 29 & 0 & 0 & 0 & 0 & 59 & 0 & 0 & 0 & 0 & 0 & 0 \\ 30 & 0 & 0 & 0 & 0 & 60 & 0 & 0 & 0 & 0 &$		Emission Poin	t -	27		+		õ	57	Ø				1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		4		28	8	0	0		58					1
70 70 70 70 70 70 10 0 10 0 10 0 10 0 10 0 10 0 10 0 11 0 12 0 13				29	0			0	59	1	O	0		1
70 70 Highest 6 Minute Average 10 # Readings Above 5 % Were 0 South FASt (Survey Position Opacity Readings Minimum 0 Maximum 5 Comments: Stop 13:13 Observers Name: Stant 13:18 Stop 18:41 Observers Signature 5 and Themas Date: Stant 13:59 Stop 14:01 Stant 1'1':08 Certified by: Carl Koontz Associate			-	30	0	0	0	0	60	0		0		1
Sorth F Ast (sun) Opacity Readings MinimumO MaximumO Comments: Stop 13:13 Observers Name: Stant 13:18 Stop 18:41 Observers Signature Sam / Luman Date: Stant 13:59 Stop 14:01 Stant 14:08 Certified by: Carl Koontz Associate Date:	70	70	~	Higl	iest 6 Min	ute Averag	ge 10		# Rea	dings Abc	ve 5	% Were	Statement of the local division of the local	1
Comments: Stop 13:13 Observers Name: Stant 13:18 Stop 18:41 Observers Signature Sam / Lunon Date: Stant 13:59 Stop 13:54 DAAA3 pacblep: Organization: Environmental Services, Decatur IL. 217-413-6618 Stant 13:59 Stop 14:01 Stant 14:08 Certified by: Carl Koontz Associate Date:	South FAST		tion	Opa	city Readi	ngs Mini	mum	0		Max	imum	3		1
Start 13:59 Stop 14:01 Strat 14:08 Certified by: Carl Koontz Associate Date:		:13		Obse	rvers Nan	ıe:								1
Start 13:59 Stop 14:01 Strat 14:08 Certified by: Carl Koontz Associate Date:	Staat 13	3:18	Stop 18 41	Obse	rvers Sign	ature S	Sam	1 Le	no	7	Date:			1
Start 13:59 56014:02 Strat 14:08 Certified by: Carl Koontz Associate Date:	StART 13: 52 54	CP 13:54		Orga	nization:					217-413-66	518			1
	Start 13:59 5to	014:01 5		Cert	ified by: C	arl Koont	z Associat	e			Date:			1
	(30			Veri	fied By:						Date:			1

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stop at 1:13

Plant name: ADM			Observ	ration Date	3-19-	-19	Start Time	151	31	End Time	16 : 3	3/
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017	4		1	0	Ø	D	0	31	0	0	0	0
Source: 15 K bph pit r	claim RA	il pit	2	0	Ø	0	0	32	0	0	0	0
Source Number	,·••		3	0	Ö	Ô	0	33	0	0	Ø	Õ
Process Equipment: Grain	iiiiiiii	Operating Mode	4	0	0	0	Ø	34	0	0	Õ	0
Control Equipment: B aghous e		Operating Mode V & S	5	Õ	0	Ø	0	35	0	0	0	0
Describe Emission Point: Stack Or		<u> </u>	6	0	0	0	Ø	36	0	O	Õ	õ
10p st			7	0	Ø	0	. 0	37	O	0	0	\mathcal{O}
Height Above Ground Level	Height Relative	to Observer	8	0	0	0	0	38	0	O	0	0
Distance from Observer	Direction from 5	Observer	9	0	0	0	Õ	39	0	0	0	0
Describe Emissions	Emission Color	Ht GRAY	10	Ö	0	6	O	40	0	0	0	\mathcal{O}
	tive Intermi		11	0	0	0	0	41	0	0	Ø	0
Water Droplets Present	Plume: Attache	10 Detached 0	12	0	0	0	Ø	42	0	0	0	${oldsymbol{ ilde{O}}}$
At What Point Was Opacity Determ			13	0	Ø	0	0	43	O	Ø	0	O
Realizmound	Shound		14	0	Ø	0	0	44	0	0	0	0
Background Color Blue - white	Percent Cloud C	Cover Start/End	15	0	0	0	0	45	0	0	O	0
Wind Speed Start End	Wind Direction	From Start/End	16	0	0	O	Ø	46	Ø	0	0	O
Temperature Start End	Humidity 4	2	17	0	0	0	0	47	0	Ø	0	O
Source Layout Sketch		Draw North Arrow	-18	0	0	O	O	48	Ø	0	Ô	Ø
Junath	K	C) C	19	0	0	0	Ø	49	0	O	Ø	0
North EAST -		* <>	20	Ø	0	O	0	50	0	0	0	\mathcal{O}
[[434]	\$17		21	0	0	0	Ø	51	0	Ø	0	\bigcirc
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No Ath 1	opentari heuse		23	O	0	Ø	0	53	ð	0	0	\mathcal{O}
Nom brood	Blog		24	Ø	0	0	Ø	54	Ô	Ø	0	\mathcal{O}
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			26	0	0	0	O	56	O	0	0	0
	Emission Point	:	27.	0	0	O	0	57	0	0	0	0
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						0	O	59	0	0	0	0
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70			High	iest 6 Mini	1te Averag			# Rea	dings Abo	ove <u>5</u>		0
west	Observers Posit	RUN)	Opa	city Readin	ngs Minir		<u></u>			imum	\mathcal{O}_{-}	
Comments:			Obse	rvers Nam			UAN	eß		r		
			Obse	rvers Sign	ature S	Sam	ler	2		Date: 3	-19-	19
			Orga	nization:	Environm	ental Servi	ces, Decat	ur IL.	217-413-6	51 8		
		·····	Certi	ified by: C	arl Koontz	Associate				Date: 3"	15-1	9
			Verified By: Date:									

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USEPA Method 9 Vi	sible Emissions	Field Data Sheets
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Plant name: ADM			Observ	ation Date	3-19-	19	Start Time	16	33	End Time	173	2
Address: 16994 Wright Rd			SEC.	0	15	30	45	SEC	<u> </u>	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				15
Phone: 517-627-4017	L	L	1	0	O	\bigcirc	6	31	в	0	0	0
Source: 15 K bph pit re	claim RA	1 pit	2	Ø	ں ں	0	0	32	0	Õ	0	0
Source Number		<u> </u>	3	0	O	0	0	33	0	0	0	0
Process Equipment: Grain		Operating Mode	4	ð	0	Õ	σ	34	0	O	O	0
Control Equipment: Baghouse	one	Operating Mode VES	5	0	0	0	0	35	O	0	0	0
Describe Emission Point: StackOut		703	6	Ō	0	Õ	0	36	0	Ø	0	O
			7	0	0	O	0	3 7	Ø	O	O	Õ
Height Above Ground Level	Height Relative	to Observer	8	Ő	0	0	0	38	0	0	0	Ò
Distance from Observer	Direction from	Observer	9	Õ	0	0	O	39	0	0	O	0
Describe Emissions	Emission Color	GRAY	10	0	0	0	0	40	0	0	0	0
	tive? Intermit		11	0	Õ	ð	Ö	41	0	0	0	0
Water Droplets Present		10 Detached 0	12	Ø	6	Ø	Ø	42	ð	Ō	O	Õ
At What Point Was Opacity Determ	ined Abour	pit	13	∂	0	Ò	0	43	0	0	0	8
Background RATI CAR -	9Rown		14	Ô	0	0	0	44	8	0	0	\mathcal{O}
Background Color Bive - white	Percent Cloud C	Cover Start/End	15	6	0	0	0	45	0	0	0	0
Wind Speed Start End 5-12 5-15	Wind Direction	From Start/End	16	0	Ô	0	Ø	46	0	0	O	0
Temperature Start End	ture Start End Humidity 42					0	0	47	0	0	0	0
Source Layout Sketch	EAST	Draw North Arrow	18	0	0	0	0	48	0	Ø	Ø	0
	FAST					0	Ô	49	0	0	Ô	б
							Ô	50	0	0	0	Ø
40	Porth RAil WARS -> Sau Emission Point						\bigcirc	51	0	0	Ô	0
	2		22	0	Ô	\bigcirc	$ \mathcal{O} $	52	0	0	0	0
per	5 (23	D	\bigcirc	O	\bigcirc	53	0	0	0	0
worth pail was	25-7	5 saith	24	0	Ø	Ô	O	54	Ø	0	0	0
	91	round South	25	Ø	0	O	O	55	0	0	0	0
	<u> </u>		26	O	0	O.	0	56	0	0	0	O
	Emission Point	t	27	0	O	0	0	57	0	0	0	0
· · ·	1		28	0	0	0	Ø	58	Ó	0	0	0
			29	0°	0	Ø	0	59	0	0	Ø	0
		-	30	0	0	0	0	60	0	0	0	0
Gerry	70		High	iest 6 Min	ute Averag		~	# Rea	idings Ab	ove <u>5</u>		0
west	Observers Posit	ion	Opa	city Readi	ngs Mini		3			cimum	0	-
Comments:			Obse	rvers Nan		PAM	TUR	WE	2R			
			Obse	rvers Sign	ature 5	an "	lan	-		Date: 🗧	3-19	-19
			Orga	nization:	Environm	ental Serv	ices, Decat	ur IL.	217-413-6	618	-	
		Cert	ified by: C	arl Koont	z Associate	e			Date: 3	3-15-	19_	
										Date:		• :

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Plant name: ADM			Observa	ation Date	3/21	119	Start Time	$R_{\rm c}$	7	End Time	120	19
Address: 16994 Wright Rd			SEC	0	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN	1				MIN			_	
Phone: 517-627-4017	L	1	1	<u>8</u>)	<u></u> '1	2	0	31	0	0	-0	0
Source: 40 K bph scre	ener		2	$\overline{\bigcirc}$	n	$\tilde{\Omega}$	0	32	 C	Ū.	0	0
Source Number			3	6)	$\dot{\gamma}$	- Ö		33	10	5	ŏ	$\overline{\mathcal{D}}$
Process Equipment: Grain		Operating Mode	4	$\overline{\gamma}$		Ū	65	34	10	17	<u></u>	10
Control Equipment: <u>Baghouse</u> ENCL	ACRI	Operating Mode	5	$\overline{0}$	1	$\frac{1}{n}$	0	35	5	Ũ	0	0 0.
Describe Emission Point: Stack Ou A/20L	tlet	YES	6	ň.		1	D D P	36	Ó	ŏ	0	Ō
74/COL	IN IS SCIE	ECN MUSSING	7	<u>en de services</u> E	<u>e i deste da</u> 17	<u>resolutions</u> 75	<u>1 (</u>)	37	<u> (</u>)	<u>inini de servi</u> U	Ũ	0
Height Above Ground Level	Height Relative	to observer	8	-2	$\frac{0}{0}$	$\left \begin{array}{c} U \\ T \end{array} \right $	5	38	$\frac{v}{v}$	Ü	0 1	5
Distance from Observer	Direction from	Observer-	9	$\frac{\circ}{2}$	5	n	1n	39	$\frac{v}{n}$	Ŭ	n	0
Describe Emissions	Emission Color	ALL NNW	10	$\overline{()}$	<u> </u>	0	6	40	11	r n		Ð
GRMN DUST Plume Type: Continuous O Fugi	tive: K Intermi	BRUUM Ittent O	11	n n	0	:)	(4	41	6	$\overline{0}$	$\frac{v}{\partial}$	18
Water Droplets Present	Plume: Attache	d O Detached O	12	· n	ĥ		1	41	\overline{n}	1 Ø	- S	0
At What Point Was Opacity Determ	uined		13	<u></u>	<u>1996)</u> ()	0	<u>4.2349888</u>	43	1980 (1990) 17	\overline{O}	0 0	$\frac{1}{0}$
Declamor J /		EEN HUUSING	14	- \	<u></u>	$\overline{0}$	0	44	ŏ		Ū	0
Background Color / CUNUJ	Percent Cloud	Cover Start/End	15	()	0	T ð		45	\overline{n}	0	0	0
Wind Speed / Start End /	Wind Direction	n From Start/End	16	0	i)	ð		46	$\overline{0}$	U	()	0
Temperature Start End	Humidity	590	17	17	Ŭ	Ũ	$\downarrow 0$	47	$\int $	10	n	tŏ
Source Layout Sketch	/	Draw North Arrow	18	Ŏ	0	l õ		48	Ŏ	ŧŏ	ð	Ō
		(S	19	0	Ô	0	<u>o, e-acina 6, 26000</u>	49	;)	0	0	0
	<u>V</u>		20	(1	17	TÕ.	Ū	50	Ũ	Ŭ	Õ	0
			21	0	Ŭ	$\overline{\Omega}$	T n	51	Ũ	ð	Ō	D
			22	0	10	Ō	17	52	\overline{O}	0	3	ŏ
			23	0	Ũ	0	tõ	53	Ō	Tõ	$\overline{0}$	5
			24	Ŏ	0	Ŭ.	Ŭ.	54	<u>(</u>)	Ō	0	Ō
			25	í)	$\left \right\rangle$	\Box	Ū	55	(`)	$\left \right\rangle$	0	Q
<u> </u>		26	1	Õ	0	Ū	56	Ŭ	0	Ū	Û	
	27	Ŏ	Õ	0	0	57	67	U	0	- 0		
	4ª		28	Û	n	Ů	$\overline{()}$	58	ñ	0	0	0
			29	Ŏ	ŏ	Ō		59	Ũ	Ŭ	0	0
			30	Ũ	Õ	0	0	60	Ũ	Ū	0	0
70	70	~	High	iest 6 Min	ite Averaş	· 20		# Rea	dings Ab	ove_O	% Were	7
	Observers Posi	tion	Opa	city Readin	ngs Mini	mum	.O		Maz	cimum	0	
Comments:			Obse	rvers Nam	e: R	cki	DANC	C	1		; /	í
	·		Obse	rvers Sign	ature S	w	Flance	1		Date: 3	121/1	19
			Orga	nization:	Environm	ental Şerv	rices, Decat	ur IL.	217-413-6	618		1
			Certi	fied by: C	arl Koont	z Associat	e			Date: 9	261	18
			1							1	1 1	

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USEPA Method 9 Visible Emissions Field Data Sheets												3
Plant name: ADM			Observa	ation Date	3/21/	19	Start Time	12	\$2	End Time 🖌	470	-14/21
Address: 16994 Wright Rd			SEC _s	o	/ / 15	30	45	SEC	o	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017			1	0	C	0	\mathcal{O}	31	0	\mathcal{O}	Û	\mathcal{O}
Source: 40 K bph scree	40 K bph screener		2	0	0	()	U	32	0	0	0	\mathbf{O}
Source Number			3	()	Û	Ū.	0	33	0	0	0	17
Process Equipment: Grain		Operating Mode	4	$\overrightarrow{()}$	Ü	Ũ	0	34	Õ	()	· 0	$\overline{0}$
Control Equipment: Baghouse	ر س	Operating Mode	5	,)	$\overline{\tilde{()}}$	0	Õ	35	$\tilde{()}$	Ü	0	Õ
Describe Emission Point: Stack Out ARUUN SCI			6	ň	n i	0	Ω	36	Ō	$\mathcal{O}^{\mathbb{Z}}$	Ď	Õ
HILLON J SCI-			7	$\tilde{\mathcal{O}}$	5	0	D	37	D	0	0	0
Height Above Ground Level	Height Relative	to Observer	8	0	Ň	0	0	38	Õ	0	0	5
Distance from Observer	Direction from		9	$\overline{0}$	3	in	U U	39	0	$\frac{0}{0}$	$\frac{\partial}{\partial}$	Ó
Describe Emissions	Emission Color	BREWN	10	0	ñ	15	$\frac{0}{0}$	40	0	Contraction of the second	0	U
CAZMN DUST Plume Type: Continuous O Fugit	ive: X Intermi	ttent O	11	v n	0	$\overline{0}$	tŏ	41	$\frac{0}{0}$	17	0	$\frac{\partial}{\partial}$
Water Droplets Present	Plume: Attache	d O Detached O	12	- A	0	Ď	D.	4' 42	0		0	Õ
At What Point Was Opacity Determi	ined	/	13	5	Ś	$\frac{1}{0}$	$ $ \mathcal{O}	43		(7	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	() ()
Background		140151116-	14	0		2	$\overline{\mathcal{O}}$	44	0	$\frac{1}{0}$	\mathcal{O}	UU
Background Color / CONVEYE	Percent Cloud	Cover Start/End	15	0	$\frac{0}{0}$	27	0	45	0	$\frac{1}{10}$	$\frac{\nu}{n}$	\overline{n}
Vind Speed / Start End	Wind Direction	From Start/End	16	0	0	Ŭ	0	46	ŏ	5	$\frac{1}{0}$	0
Temperature Start End	TT	76	17	0	ň	0	0	47	$\overline{0}$	$\frac{7}{0}$		$\left \begin{array}{c} 0 \\ 0 \end{array} \right $
Source Layout Sketch	L	Draw North Arrow	18	o a	0	n	0	48	U U	1	<u>></u> の	0
	ľ	()	19	$\frac{0}{0}$	<u> </u>	5		49	i)	0	$\frac{1}{0}$	$\dot{\boldsymbol{U}}$
	1	- U	20	0	$\int 0$	$\frac{3}{0}$	$\frac{2}{0}$	50	$\frac{0}{0}$	(n)	0	0
		`	21	$\frac{v}{0}$	0	0	10	51	$\overline{0}$	$\overline{0}$	0	$\overline{0}$
			22	$\vec{0}$	0	n	0	52	$\overline{\mathcal{O}}$		$\frac{0}{10}$	0
		\mathbf{N}	23	0	Ŭ	15	10	53	5	100	$\overline{0}$	Ž
		\backslash	24	in the second se	0	5	0	54	0	0	0	0
far-			25	<u>~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	C C	<u>()</u>	\sim	55		0	1339 02 76	<u>1</u> 7
			26	m	0	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	1 Jam	55	0	0	$\frac{1}{2}$	0
	Emission Poin	t	27	on l		$\frac{1}{0}$	$\frac{5}{12}$	57	$\frac{0}{0}$	$\frac{0}{0}$	$\begin{array}{c} 0 \\ 0 \end{array}$	0
	J.		28	$\left \begin{array}{c} 0 \\ 0 \end{array} \right $	0	0	$\begin{bmatrix} 0\\0 \end{bmatrix}$	57			$\left \begin{array}{c} 0 \\ \end{array} \right $	0
			20		$\frac{1}{0}$	$\frac{0}{0}$	$\frac{1}{2}$	1	$\frac{10}{10}$	$ \stackrel{\circ}{\square}$	1 Cm	$\frac{0}{2}$
			30	5	$\frac{0}{0}$	$\frac{1}{0}$	$\frac{1}{0}$	59 60		$\frac{1}{0}$	A	$\frac{v}{0}$
70	70	~		est 6 Min		مستسلسه سسلس			adings Ab	1	% Were_	
	-	city Readi	· · · · · · · · · · · · · · · · · · ·		0	1		cimum	5	<u> </u>		
Comments: STID 13	71			rvers Nan		5 17		·			~~	
CAR-	12/03)		ervers Sign		- cho	DAN	<u>ÇB</u>	7	Date: 🖇	2/2:	1,6
57/7/21	1254					Vental Sem	rices, Deca		217-412-6		721	0
			- <u> </u> -	ified by: C						Date: 4	1/2	118
				fied By:			-			Date:	126	/13
L	· · · ·									L'ale.	- 1	

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Plant name: ADM			Observ	ation Date	3/21	19	Start Time	py	23	End Time	152	3		
Address: 16999 WR	161H Ri).	SEC ₉	o	15	30	45	SEC	0	15	30	45		
GRAND LUDDUD			MIN					MIN						
Phone: 517-627-	1	0	0	0	0	31	0	0	0	0				
Source: 40K BP1+ S	> -	2	()	0	()	0	32	1	0	0	0			
Source Number			3	()	()	D	$\left(\right)$	33	Ò	()	n n	Õ		
Process Equipment: G2AIN		Operating Mode	4	n	Ó	Ũ	Ŭ	34	5	0	$\overline{\mathcal{O}}$	0		
Control Equipment: ENCLUSET)	Operating Mode	5	0	Ō	0	0	35	\tilde{n}	\overline{D}	0	0		
Describe Emission Point AROUND SC			6	0	0	Ø	0	36	Ó	Ō,	0	()		
			7	Ô	Ð	0	0	37	0	4	17	D		
Height Above Ground Level	Height Relative	to Observer	8	0	0	Ø	0	38	n	0	5	0		
Distance from Observer	Direction from (WW	Theenver	9	0	Ð	0	5	39	ñ	0	5	0		
Describe Emissions	Emission Color		10	n	0	0	0	40	(7	0	Ó	0		
Plume Type: Continuous O Fugit	ive: K Intermit	tent O	11	ð	0	$\frac{\mathbf{v}}{0}$	0	41	Ŭ	0	Ŏ	0		
Water Droplets Present	Plume: Attached	O Detached O	12	Õ	Ŭ.	Ō	0	42	Ō	Ō	\mathcal{O}	O		
At What Point Was Opacity Determined of the Aracin	ined D SCREEN	1 HOUSING	13	0	0	0	0	43	Õ	D	0	0		
Background	VEY029)	14	0	0	0	\mathcal{O}^+	44	0	Ō	0	\hat{O}		
Background Color / LTGRAY	Percent Cloud C	over Start/End	15	0	0	Õ	0	45	O	\mathcal{O}	0	\hat{D}		
Wind Speed 'Start End	Wind Direction \mathcal{WWW}	From Start/End WWW	16	0	\mathcal{O}	5	$\left[\right]$	46	\mathcal{O}	O	0	D		
Temperature Starf End 39 4	Humidity C	50 °to	17	\mathcal{O}	0	5	0	47	0	0	\mathcal{O}	D		
Source Layout Sketch		Draw North Arrow	18	0	0	Ū.	0	48	0	0	O I	$\mid O \mid$		
			19	0	U	0	U	49	D	$ $ \bigcirc	D.	0		
				0	0	0	0.	50	0	0	5	\mathcal{O}		
	21	0	0	0	0	51	0	0	0	0				
	· 3		22	0	0	0	0	52	0	0	0	0		
			23	0	0	()	Ø	53	\mathcal{O}	0	\mathcal{O}	O		
			24	0	Ø	0	10	54	O	0	\circ	0		
		N)	25	0	0	0	0	55	\bigcirc	Q	0	0		
		<u>K</u>	26	\bigcirc	Q	0	Ũ	56	0	υ	0	O		
1	Emission Point		27	3	5.	0	U U	57	0	$\left 0 \right $	5	0		
ζ.	ĥ		28	0	0	0	0	58	0	Ō	0	0		
			29	5.	0,	U	0	59	0.	0	0	0		
			30	d d	5	0	\bigcirc	60 ⁻	U	0	O	\mathcal{O}		
70	70		High	est 6 Mini	ite Averag	dings Abo	ive 🖉 🤅	% Were	3					
	Observers Posit	ion	Opac	rity Readin	ıgs Minii	mum1	9		Max	imum	O			
Comments:			Obser	rvers Nam	e: .82m-PC	rner-/	Lok	DI	INCO	ĘΥ				
			Obser	rvers Sign	ature (Son	1 Jun	ng		Date: 7	3/21/1	9		
			Orgai	nization:	Environm	ental Servi	ices, Decat	ur IL.	217-413-66	518	/ T	/		
			Certi	fied by: C	arl Koontz	Associate				Date: 3-23-2017				
			Verif	ìed By:						Date: 4/26/18				
											' /			

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Plant name: ADM	Observ	ation Date	3-21	- 19	Start Time	11:0	29	End Time	12:0	29		
Address: 16994 Wright Rd			SEC.	o [']	15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017			1	Õ	Ø	ð	0	31	Ò	0		Ó
Source: 80 K bph buk	2	0	0	0	0	32	Ø	0	0	Ŏ		
Source Number			3	0	0	-0	0	33	Ō	$\overline{0}$	Õ	0
Process Equipment: Grain	******	Operating Mode.	4	0	0	ð	5	34	Õ	0	Õ	Õ
Control Equipment: Beghouse	-0 Bashurg		5	O	0	0	O	35	0	Ø	Ø	Õ
Describe Emission Point, Stack Out			6	Ø	Ø	0	5	36	Ō	Ŏ	0	Ō
1-3 Ft			7	O	0	0	0	37	0	O	0	0
Height Above Ground Level	Height Relative	to Observer	8	0	0	O	0	38	O	0	O	0
Distance from Observer	Direction from		9	0	O	0	0	39	0	0	Ø	0
Describe Emissions	Emission Color	ht GRA- /BR	10	0	15	5	0	40	Ø	Ø	0	0
Plume Type: Continuous O Fugi			11	0	0	10	0	41	Ø	Õ	0	O
Water Droplets Present)	d O Detached O	12	0	0	\mathcal{O}	0	42	G	O	O	\bigcirc
At What Point Was Opacity Determ	ined A. Swind	Spout	13	Q	0	0	5	43	O	0	0	0
Background CORN Field -	Thets-	SKY-sport	14	0	O	0	0	44	0	O	0	\bigcirc
Background Color ANOWN-MINACK- GAAY	Percent Cloud (Cover Start/End	15	0	0	O	O	45	0	\mathcal{O}	0	O
Wind Speed Start End	Wind Direction	i From Start/End いいいい	16	Ø	0	O	0	46	\bigcirc	0	\odot	Õ
Temperature Start End	Humidity 75%		17	0	0	O	0	47	\mathcal{O}	Ò	O	0
Source Layout Sketch	,th	Draw North Arrow	-18	0	0	O	Ø	48	0	Ø	Ø	0
Source Layout Sketch The les 500 MMM			19	0	0	0	0	49	0	O,	0	0
I'M VUNC	M		20	0	Ø	Ø	0	50	0	0	0	O
COAN Fic	eld,	ſ	21	0	0	0	0	51	0	5	0	\mathcal{O}
0101			22	0	D	0	O	52	0	0	0	0
1			23	0	0	0	0	53	O	0	0	0
Frank II	K	- + we	24	0	Q	Ø	0	54	0	0	0	O
1-110		sport we	25	0	0	O	Ø	55	0	Ø	0	0
TANI	ena		26	0	0	Ö	0	56	C	Ö	0	Ø
	Emission Poin	t	27	0	O	35	0	57	0	Ø	5	\mathcal{O}
	u f		28	0	Q	Ø	O	58	0	0	0	0
			29	D	0°	6	Ø	59	0	0	0	O
		~	30	0	0	0	10	60	0	0	\bigcirc	0
70	70	- ,	Hig	hest 6 Mir	ute Avera	<u>8e_43</u>		# Rea	ndings Ab	ove <u>5</u>	% Were	4
North	Observers Posi	ition SUN	Opa	city Read	ings Min	imum	\mathcal{O}_{-}			ximum(35	-
Comments:			Obs	ervers Nat	ne: 5	5Am	Tu	An	ve.A			
			Obs	ervers Sigi	nature					Date: 3	-21-	-19
			Organization: Environmental Services, Decatur IL. 217-413-6618									
			Cert	ified by: (Carl Koont	z Associat	e			Date: 🗧	5-15-	19
			Veri	ified By:						Date:		
						1						

Plant name: ADM	Observ	ation Date	3-21-	19	Start Time	12:	47	End Time	14:17	1		
Address: 16994 Wright Rd					15	30	45	SEC	0	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	MIN					MIN				
Phone: 517-627-4017	L	L	1	Ø	0	0	20	31	0	0	Ø	O
Source: 80 K bph buli	weigher (load	out spout)	2	O	0	0	ð	32	∂	0	O	0
Source Number	3	0	0	Ø	0	33	O	0	0	0		
Process Equipment: Grain	· · · · · ·	Operating Mode	4	0	0	C	0	34	Ø	0	0	0
Control Equipment: Baghouse	hashoose	Operating Mode	5	0	0	Õ	25	35	Ø	Õ	0	Õ
Describe Emission Point: Stock Outlet 3 Nov + Outlet				Ō	Ø	Ø	o	36	Ø	O	O	0
				0	Ø	0	\bigcirc	37	0	Ø	0	0
Height Above Ground Level	Height Relative	to Observer	8	0	0	Ø	O	38	0	0	0	0
Distance from Observer,	Direction from		9	0	Õ	Ø	Õ	39	0	0	0	O
Describe Emissions	Emission Color	H GAAT	10	Ô	O	0	0	40	O	0	0	0
Plume Type: Continuous O Fugit	ive: K Intermi	ittent O	11	Ø	0	Ø	Ø	41	0	0	6	0
Water Droplets Present		d O Detached O	12	0	Ø	10	0	42	Ō	O	Ō	Ō
At What Point Was Opacity Determ	13	Ø	O.	0	Ø	43	Ø	Ø	O	0		
Background Sty - SPOUT				O	0	0	0	44	0	0	0	0
Background Color	Percent Cloud	Cover Start/End	15	0	10	0	0	45	0	0	0	0
Wind Speed Start End 19 Temperature Start End	Wind Direction	n From Start/End WWW	16	0	Ø	Ø	0	46	0	0	0	Ø
48 39	Humidity 7	6	17	0	0	0	Ø	47	0	0	0	0
Source Layout Sketch (5KY		Draw North Arrow	18	O	0	Ø	Ø	48	0	0	0	0
Jong			19	O	0	Q	0	49	0	0	0	0
BLACK ALISPO	0+111		20	Ô	O ·	O	Ø	50	0	0	0	0
BLACK 1 500 Hose 1 4) pinck hose	21	0	15	Ø	0	51	0	0	0	0
		hose	22	0	Ø	0	Ø	52	0	0	0	0
		/	23	0	Ø	Ø	0	53	0	0	0	0
			24	Ø	O	$ \mathcal{O} $	0	54	0	0	0	0
PRAIL			25	0	Ø	0	0	55	0	0	0	0
RA.I	0	j	26	0	O	0	0	56	0	Ø	Ø	0
	Emission Poir	it	27	0	0	0	0	57	0	0	0	0
	1		28	0	0	0	Ø	58	0	0	0	0
			29	0	30	Ø	0	59	0	0	0	0
		-	30	0	Ò	0	Ø	60	0	0	0	0
70	70		High	nest 6 Min	ute Averaş	<u>45</u>	-	# Rea	adings Ab		% Were_	e
	Observers Posi	tion	Opa	city Readi	ngs Mini		0			cimum_c	30_	
Comments: Stop : 13	19		Obse	rvers Nan	1e: Te	im -	TURI	ve,				
Strat: 1	349		Obse	rvers Sign	ature	Sam	d'hur		٦	Date: 3	-21-	19
			Orga	nization:	Environm	ental Serv	rices; Decat	ur IL.	217-413-6		~	
			Cert	ified by: C	arl Koont	z Associat	te			Date:	3-15	-19
			Veri	fied By:						Date:		

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Plant name: ADM			Observ	ation Date	3-21-	19	Start Time	14)	19	End Time	15:1	9
Address: 16994 Wright Rd				0	15	30	45	SEC	· L	15	30	45
City: Grand Ledge	State: MI	Zip: 48837	SEC ₉ . MIN					MIN				,0
Phone: 517-627-4017		·····	1	0	0	O	Ð	31	Ø	0	Ø	Ø
Source: 80 K bph buli	weigher (load	lout spout)	2	0	0	Ø	0	32	Ø	0	0	0
Source Number			3	0	Ō	0	0	33	Ø	0	O	O
Process Equipment: Grain		Operating Mode	4	ð	0	0	O	34	0	O	0	Ø
Control Equipment: Poglance A Weg. Faw BA	shouse	Operating Mode VES	5	0	0	0	0	35	0	Ø	0	0
Describe Emission Point: Stack Ou	571et		6	0	0	0	Ø	36	Ø	0	0	0
- P 1				0	0	Õ	0	37	Ö	0	Ø	0
Height Above Ground Level	Height Relative	to Opserver	8	Õ	Ø	0	0	38	0	0	Ø	0
Distance from Observer	Direction from $\mathcal{N}\mathcal{U}$	-	9	Ø	0	Ô	Ô	39	0	0	0	0
Describe Emissions	Emission Color	<u> </u>	10	Ø	0	Õ	0	40	0	0	0	0
Plume Type: Continuous O Fug	itive: A Intermi		11	Ø	Ø	0	0	41	O	0	0	ð
Water Droplets Present	Plume: Attache	d O Detached O	12	0	Ø	Ø	O	42	Ø	0	Ø	0
At What Point Was Opacity Determ	ting 1	conveyer	13	0	\mathcal{O}	0	O	43	0	Ø	0	Ø
Background KY - 500	+-	-	14	O	0	Ø	0	44	0	0	0	0
Background Color BIV 2-BIACK - BAOW	Percent Cloud	Cover Start/End	15	0	O	0	Ø	45	40	O	Õ	0
Wind Speed Start End		From Start/End WWW	16	Ø	O	0	0	46	O,	0	0	Ø
Temperature Start End	Humidity 8		17	Õ	Ø	Ø	\bigcirc	47	0	0	Ø	0
Source Layout Sketch	st	Draw North Arrow	18	0	0	Ø	O	48	$, \mathcal{O}$	Ø	0	0
5K4)	ł		19	0	O	25	0	49	Ø	·O	0	0
	L	TAINet	20	0	Ø	Ø	Ø	50	0	0	0	Ø
	+ 1111	those	21	0	Ø	0	0	51	Ø	0	0	0
(\)	00+ III	th	22	0	0	0	Ø	52	0	0	0	Ø
		I word	23	0	0	0	0	53	0	O	Ø	0
		500	- 24	Ø	0	0	0	54	Ø	5	0	Ø
In E		- Contraction	25	0	0	0	0	55	0	0	Ø	Ø
	H L Emission Pour		26	0	O	0	0	56	0	0	0	0
	Entission Por	nt	27	0	O	0	0	57	0	O	O	0
	C.P.		28	0	0	0	0	58	O	0	0	0
			29	0	0	\bigcirc	0	59	0	0	0	0
		~	30	Ø	0	0	0	60	O	0	0	0
70	70	•••	Hig	hest 6 Min	ute Avera	<u>ه 40</u>		# Re	adings Ab	ove <u>5</u>		<u>}</u>
enst	Observers Pos	1110N	Opa	city Readi	0		\mathcal{O}_{-}			ximum	40	
Comments:			Obs	ervers Nan	ne: 54	in To	IR W	et.				
			Obs	ervers Sigr	nature 🖌	ann'	1-4	wine	1	Date:	3-7.1-	19
			Org	anization:	Environr	nental Ser	vices, Deca	tur IL.	217-413-6			
			Cert	ified by: 0	Carl Koon	tz Associat	te			Date: 3	-15 -	14
			Veri	ified By:						Date:		