

15849 S US HWY 231/PO BOX 35

REMINGTON, IN 47977 USA

Tel. +1 219 261 2122

Fax +1 219 261 3681 www.bayer.com

June 27, 2024

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

RE: FESOP Administrative Amendment Bayer Great Lakes Production Co., LLC - Remington, IN

To Whom It May Concern,

Bayer Great Lakes Production Co., LLC (Bayer) is proposing to remove a small lot bagging operation, increase the throughput capacity of some treaters, and correct permit language for Bayer's hybrid grain seed processing plant located at 15849 South U.S. Highway 231 in Remington, Indiana (Remington Plant). The Remington Plant currently operates under a Federally Enforceable State Operating Permit (FESOP) No. F073-44825-00035 issued by IDEM on June 14, 2022, and last modified on January 18, 2023 (SPR No. 073-45892-00035). Bayer is requesting the Indiana Department of Environmental Management process this change as an Administrative Amendment.

The enclosed application includes a complete description of the facility, regulatory applicability analyses, and all required application forms.

If you have any questions regarding the information contained in this application, please feel free to contact Anthony Lanoue at (219) 261-4106 or Emily Stewart of Trinity Consultants at (317)-451-8102.

Sincerely,

Bayer Great Lakes Production Co., LLC

Jelissalle

Melissa Wienke Site Lead

Enclosure

CC: Anthony Lanoue (Bayer Great Lakes Production Co., LLC) Emily Stewart (Trinity Consultants)

FESOP ADMINISTRATIVE AMENDMENT APPLICATION

Bayer Great Lakes Production Co., LLC / Remington, Indiana

Prepared By:

TRINITY CONSULTANTS

8900 Keystone Crossing Suite 1070 Indianapolis, IN 46240 (317) 451-8100

June 2024

Project 241501.0069

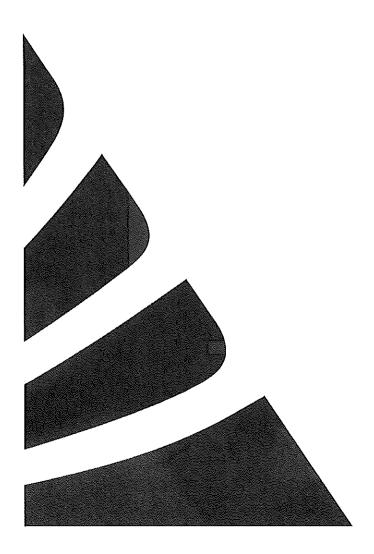




TABLE OF CONTENTS

1.		1MARY	1-1
	1,1	Facility Description	
2.	FESC	OP PERMIT UPDATES	2-1
3.	EMIS	SSION CALCULATIONS	3-1
4.	REG	GULATORY APPLICABILITY	A-1
	4.1	Source Classification	
		4.1.1 Prevention of Significant Deterioration Program	
		4.1.2 HAP Emissions	
	4.2	Federal Regulatory Applicability	
		4.2.1 New Source Performance Standards (NSPS)	
		4.2.2 National Emission Standards for Hazardous Air Pollutants (N	
	4.3	State Regulatory Applicability	
		4.3.1 FESOP (326 IAC 2-8)	
		4.3.2 Administrative Permit Amendments (326 IAC 2-8-10)	
		4.3.3 Permit Revisions (326 IAC 2-8-11.1)	A-2
AF	PENC	DIX A. STATE FORMS	A-3
ΑP	PEND	DIX B. EMISSION CALCULATIONS	B-1

Bayer Great Lakes Production Co., LLC (Bayer) operates a hybrid grain seed processing plant located in Remington, Indiana (Remington Plant). The Remington Plant currently operates under a Federally Enforceable State Operating Permit (FESOP) No. F073-44825-00035 issued by IDEM on June 14, 2022, and last modified on January 18, 2023 (SPR No. 073-45892-00035). Bayer is proposing to remove a small lot bagging operation, increase the throughput capacity of some treaters, and update permit language for emission units at the Remington Plant. State forms are included in Appendix A and potential to emit (PTE) calculations are included in Appendix B.

1.1 Facility Description

The Remington Plant is a hybrid grain seed processing plant located at 15849 South U.S. Highway 231 in Remington, Indiana.

The Remington plant is located in Jasper County, which has been designated as attainment for all criteria pollutants¹. The Remington Plant is an existing minor source under the Prevention of Significant Deterioration (PSD) permitting program and an area source of hazardous air pollutants (HAPs). The Remington Plant is not one of the 28 major stationary source categories specified in 326 IAC 2-2-1(ff)(1).

i 326 IAC 1-4-25.

This section describes the updates Bayer's requests IDEM make to the Remington Plant's FESOP. Proposed language appears in bold and deleted language appears in strikethrough, as follows.

Bayer is proposing to replace the collars of the existing treaters at the Remington Plant, identified as Treaters 1, 2, and 3. This change will result in an increase of the maximum hourly throughput of these units. This will not change the limited throughput of the treaters currently permitted in the FESOP, nor will it affect limited or potential throughputs of any upstream or downstream emission units. Only the uncontrolled PTE of the treaters will be affected by this change. Bayer requests that IDEM change the following emission unit descriptions in section A.2(e)(2)-(3) as indicated below

- (2) One (1) treater, identified as Treater 3, constructed in 1994 and modified in 2005, with a maximum capacity of 500 bushels (84,000 33,600 pounds) of shelled grain per hour, using a baghouse, identified as Red Dust Collector, as control, and exhausting indoors.
- (3) Two (2) treaters, identified as Treater 1 and 2, constructed in 2007, with a maximum capacity of $\frac{1}{1000}$ **1,200** bushels ($\frac{56}{1000}$ **67,200** pounds) of shelled grain per hour, total, using a baghouse, identified as Red Dust Collector, as control, and exhausting indoors

Bayer wants to correct the maximum capacities of emission units to be consistent with the current operations at the Remington Plant. Bayer is not making any physical modifications to these emission units. The emission unit is currently permitted at 78,000 pounds of seed grain per hour, thus the potential to emit will not change. Bayer requests that IDEM make the following corrections to section A.2(e) of the operating permit:

(5) One (1) bagging machine, identified as EU12, approved in 2022 for construction, with a maximum capacity of 341,640 **78,000** pounds of seed grain per hour, using a baghouse, identified as CE14, as control, and exhausting to stack 14.

Bayer plans to remove the existing CBT-100 treater at the Remington Plant. Bayer requests that IDEM remove the following emission unit from section A.2(e)(10) as indicated below.

(10) One (1) small lot bagging operation, constructed in 2005 and modified in 2013, and approved in 2022 for modification, consisting of a debagger, identified as small lot debagger EU106, a CBT-100 treater, identified as EU102, an aspirator, identified as EU103, and a bagging unit, identified as EU104, with a maximum capacity of 1,000 bushels (56,000 pounds) per hour, total, using a baghouse, identified as Small Lot Line Dust Collector, as control, and exhausting indoors.

Bayer currently has a Husk Chopper included in the emission calculations included in Appendix A of the permit. Bayer requests that IDEM add the Husk Chopper to Section A.2(e) of the permit as follows:

(11) One (1) Husk Chopper with a maximum capacity of 500 bushels (28,000 pounds) of shelled grain per hour.

The proposed modification to increase the throughput capacity of Treaters 1-3 at the Remington Plant has the potential to emit particulate matter (PM), particulate matter with an aerodynamic diameter of less than 10 microns (PM₁₀), and particulate matter with an aerodynamic diameter of less than 2.5 microns (PM_{2.5}). Table 3-1 below outlines the increase in the potential to emit from the treaters after the proposed modification. Pursuant to 326 IAC 2-8-11.1(d), Bayer is requesting IDEM to include the proposed emission units in the FESOP as an administrative amendment

Table 3-1. Unlimited PTE from Proposed Emission Units

	Unlimited/Uncontrolled Potential to Emit (tons/year)				
Emission Unit	PM	PM10	PM2,5		
Modified/Replaced Units					
Treaters 1-3	2.24	1.25	0.21		
Total	2.24	1.25	0.21		
Minor Modification Threshold ¹	5	5	5		
Minor Modification Required?	No	No	No		

¹ Minor Source Thresholds from 326 IAC 2-7-10.5(e)

Table 3-2 below shows the total facility-wide emissions after the proposed removal of the CBT-100 treater identified as EU102, increased capacity of Treaters 1-3, and correction to emission unit descriptions as requested in Section 2. The total emissions are below the Part 70 (Title V) Operating Permit thresholds; therefore, the Remington Plant will remain a FESOP after the proposed project.

Table 3-2. Facility Wide Limited Emissions

ſ				Limited	Potential	to Emit (to	ons/year)			
C-decise 1 bit	DE	DV40	PM2.5			VOC.		Total HAPs	EV -	ale MAD
Emission Unit	PM	PM10	PMZ.5	SO2	NOx	VOC	co	HAPS	Sin	gle HAP
Non-Fugitive Emissions			·····	т т						
Corn Receiving 1, 2, 3, & 4	3.15	0.70	0.12	-	-	-	-	-	-	
New Direct Harvest Receiving					-	-				-
Husking 1, 2, 3 & 4	5.49	3.06	0.52	- 1		-	-	-		-
Dryers 3, 4, 5 & 6 (Grain Drying)	42.30	10.80	1.80	 			-	-	-	
Dryers 3, 4, 5, and 6 (combustion)	1.07	4.28	4.28	0.34	56.35	3.10	47,33	1,06	1,01	Hexane
Sheller 1	0.96	0.96	0.96	•	•	•		-	-	-
Sheller 2	0.96	0,96	0.96	-	-	•	-	-	-	-
Sheller 3	0.96	0,96	0.98	<u> </u>	~	<u> </u>	-	-	•	-
Sheller Aspirators 1 & 2	3.66	2.04	0.35			-	-	-	-	-
Sheller Aspirators 3 & 4	3.66	2.04	0.35		-	-	-	-	•	-
248 Bulk Storage Bins	1.50	0.38	0.07	1 - 1	-	-	-	-	-	•
New Direct Harvest Storage (6)	2.25	0.57	0,10	_	-	-	-	-	-	-
Loadout Aspirator 1	3.66	2.04	0.35	- 1	-	-	-	-	-	
Shelled Grain Loadout	5.16	1.74	0.29	-	-	-	-	-	-	-
4 Shelled Grain Loadout Bins	1.50	0.38	0.07	_	-	-	-	-	-	•
4 Cob Loadout Blns	1.50	0.38	0.07	-	-			•		•
Dust Bin	1.50	0.38	0.07	-	-	-	-		•	•
Shelled Grain Receiving	2,10	0.47	0.08	-	_	-	-	•		-
Cleaners Lines 1 and 2	22.50	5.70	0.96	-	_	-	-	•		*
Sorters Lines 1 and 2	22,50	5,70	0.96	-	-	-	-	-	-	
Sizers Lines 1 and 2	3,66	2.04	0.35	-	-	-	-	-		-
Gravity Tables, Lines 1 & 2	22.50	13.73	13.73	1 - 1	_	-	-	-	-	_
Storage Bins, Lines 1 & 2	1.50	0.38	0.07	<u> </u>	-	-	-		_	_
Aspirators 1-3	7.48	4.17	0.71	1 - 1	-	-	_	-		_
Treaters 1-3	11.22	6.25	1.07	- 1	-	75.00	-	0.13	-	
Treating and Packing Storage Bins	1.50	0.38	0.07			10.00				-
Replaced Bagging Machine (EU12)	3.66	2.04	0.35	١. ا			-			-
Main Line Bagging Scale (EU107)	3,66	2.04	0.35	l			<u> </u>		_	
Seed Pak Filler	11,22	6.25	1.07	 	-	-	<u> </u>	-		
Paper Line Refuge Scale 1	2.02	1.13	0.19	-		-	-	-	-	_
Refuge Scale 2	2.02	1.13	0.19	 		-	<u> </u>	•	-	-
Debagger EU34	7.48	4.17	0.19	-	-	-		-	_	-
	3,66	2.04	0.35	 				-		
Small Lot Bagging (EU103 through 104)			0.33	 			 	*		
Debagger EU106	7.48	4.17 2.04	<u> </u>	 						
Internal Handling	3.66		0,35	<u> </u>		-	-	-	-	-
Dust Collector Loadouts	0.75	0.25	0.04	-		-	-	-	-	-
Insignificant Emissions			L			ļ				
Husk Chopper	1,37	0.77	0.13	-	-	•	-	-	-	
Sheller Central Vacuum System	0.45	0.45	0.45	-	•	-	-	-	•	
Tower Central Vacuum System	0.50	0.50	0.50	<u> </u>	•		<u> </u>	-	•	
Tanks (1 Diesel, 1 Gasoline)			<u> </u>	<u> </u>		1.00		<u> </u>	· · ·	•
NG Heaters	0.02	0.08	0.08	6.04E-03	1.01	0.06	0.85	0.02	0.02	Hexane
Talc Treatment Application Operation	0.06	0.06	0,06	 	<u> </u>	-	-	<u> </u>		
VMEK Bench Top Laboratory Units (3)	0.81	0.45	0.08	-	-					
Parts Washer PW1					-	0,49	-	-		-
Totals (Non-Fugitive)	223,06	98,03	34.87	0.34	57.35	79.64	48.18	1.21	1.03	Hexane
Title V Major Source Thresholds	NΛ	100	100	100	100	100	100	100	25	
PSD Major Source Thresholds	250	250	250	250	250	250	250	250		
Fugitive Emissions										
Paved Roads	3.07	0.61	0.15	0.00	0.00	0.00	0.00	0.00	0.00	-
Unpaved Roads	21,48	5.72	0.57	0.00	0.00	0.00	0.00	0.00	0.00	
Totals (Fugitive)	24.54	6.34	0.72	0.00	0.00	0.00	0.00	0.00	0.00	

Bayers operations are subject to state and federal air quality regulations. This section of the application highlights the applicability of state and federal requirements for the proposed project.

4.1 Source Classification

4.1.1 Prevention of Significant Deterioration Program

The Remington Plant is located in an attainment area for all pollutants². The Remington Plant is not a major source under the PSD program as potential emissions of all PSD pollutants are less than 250 tpy.^{3,4} As such, for PSD review to be triggered, the emissions increases from the proposed project would need to be compared to the major source threshold for each PSD pollutant. As potential emissions from the proposed project are less than 250 tpy for all PSD pollutants, there is no need to compare the project emissions increase to the PSD major source thresholds. Hence, PSD review is not triggered. The Remington Plant will remain a minor source under the PSD program after the proposed project.

4.1.2 HAP Emissions

The Remington Plant is an existing area source of hazardous air pollutants (HAPs). The source-wide potential emissions of HAPs will not exceed 10 tpy for any individual HAP or 25 tpy for any combination of HAPs after the proposed project; therefore, the Remington Plant will remain an area source of HAPs.

4.2 Federal Regulatory Applicability

4.2.1 New Source Performance Standards (NSPS)

New Source Performance Standards (NSPS) require new, modified, or reconstructed sources in applicable source categories to control emissions to the level achievable by the best demonstrated technology, as specified in the applicable provisions. Any source subject to an NSPS is also subject to the general provisions of NSPS Subpart A, except as noted. The proposed project will not result in any change to current NSPS applicability.

4.2.2 National Emission Standards for Hazardous Air Pollutants (NESHAP)

NESHAPs apply to sources in specifically regulated industrial source classifications (Clean Air Act Section 112(d)) or on a case-by-case basis (Clean Air Act Section 112(g)) for facilities not regulated as a specific industrial source type. Pollutant specific NESHAP may also be applicable. NESHAP are primarily developed for particular industrial source categories. Therefore, the potential applicability of a particular NESHAP to a facility can be readily ascertained based on the industrial source category covered. The proposed project will not result in any change to current NESHAP applicability.

² 326 IAC 1-4-38.

³ The Remington Plant is not of the "list of 28" as referenced under 40 CFR 52.21(b)(1)(i)(a) and is therefore subject to the major source PSD threshold of 250 tpy.

⁴ FÉSOP Permit No. F073-44825-00035 shows that Permitted Emissions of Regulated Pollutants are less than 250 tons per year (tpy).

4.3 State Regulatory Applicability

4.3.1 FESOP (326 IAC 2-8)

The Remington Plant currently operates under a FESOP. For each modification at the plant, the facility wide emissions must be calculated to demonstrate emission levels are below the Title V Operating Permit thresholds to ensure Title V permitting is not triggered and the facility can retain FESOP status. As presented in Table 3-2 and in Appendix B, the facility wide potential emissions for all regulated pollutants at the Remington Plant will remain below the Title V Operating Permit thresholds after the proposed project; therefore, the facility can continue to operate under a FESOP.

4.3.2 Administrative Permit Amendments (326 IAC 2-8-10)

The potential emissions of the treater modifications are less than the exemption thresholds in 326 IAC 2-1.1-3(e)(1). All other proposed changes to the operating permit are corrections to reflect the operating conditions at the Remington Facility. Therefore, the modification of the treaters and corrections to the operating permit can be processed as an administrative amendment per 326 IAC 2-8-10(a)(2)(b) and 326 IAC 2-8-10(a)(9).

4.3.3 Permit Revisions (326 IAC 2-8-11.1)

A permit revision is not required for this application since the proposed project is subject 326 IAC 2-8-11.1(b)(1). The modification to Treaters 1-3 would not otherwise require an operating permit revision since the potential emissions for all regulated pollutants are less than the exemption threshold.

APPENDIX A. STATE FORMS



AIR PERMIT APPLICATION COVER SHEET

State Form 50639 (R4 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

NOTES:

1. Tax ID Number:

- The purpose of this cover sheet is to obtain the core information needed to
 process the air permit application. This cover sheet is required for <u>all</u> air
 permit applications submitted to IDEM, OAQ. Place this cover sheet on
 top of all subsequent forms and attachments that encompass your air
 permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to IDEM Air Permits Administration using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the fifing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

IDEM - Office of Air Quality - Permits Branch
100 N. Senate Avenue, MC 61-53 Room 1003
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
Facsimile Number: (317) 232-6749
unay IN govidem

FOR OFFICE USE ONLY
PERMIT NUMBER:
073-48036-00035 AI# 39600
DATE APPLICATION WAS RECEIVED:
Received by
State of Indiana
IDEM - OAQ
Via Email 7/1/2024 KB-5

			PART A: Pur	pose of A	pplication	2. 12. 2. 12.	
Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.							
2.	Source / Company	/ Name: Bay	er Great Lakes Pro	oduction Co.	, LLC	3. Plant ID:	073 — 0035
4.	Billing Address:	1584	49 South U.S. Hig	hway 231			
	City: Remingtor	1		State:	IN	ZIP Code: 479	77
5.	Permit Level:	Exemption	Registration	SSOA	☐ MSOP	☑ FESOP ☐ TV	OP □PBR
6.	Application Summ choices selected be		that apply. Multipl	le permit nur	nbers may be as	signed as needed l	based on the
	☐ Initial Permit	Re	newal of Operating	g Permit	□ A	sphalt General Per	rmit
	Review Reques	t □Re	vocation of Operat	ting Permit	□ A	lternate Emission I	Factor Request
	☐ Interim Approva	I ☐ Re	location of Portabl	e Source	ΠА	cid Deposition (Ph	ase II)
	☐ Site Closure	☐ Em	ission Reduction	Credit Regis	try		
	☐ Transition (betw	een permit leve	ls) From:	***************************************		То:	
		mendment:	☐ Company Nan	ne Change		☐ Change of Re	esponsible Official
			Correction to N	Von-Technical	Information	☐ Notice Only C	Change
			☑ Other (specify)	: Ren	noval of Emission	Unit	
	☐ Modification:	☐ New Emission	on Unit or Control De	evice 🔲 N	Modified Emission (Jnit or Control Device	9
		☐ New Applica	ble Permit Requiren	nent 🗆 🤆	Change to Applicab	ility of a Permit Requ	nirement
		Prevention o	f Significant Deterior	ration 🔲 E	mission Offset	MACT Preco	nstruction Review
		Minor Source	e Modification	☐ Significan	t Source Modificati	on	
		☐ Minor Permit	Modification	☐ Significan	t Permit Modificatio	กา	
		Other (specify	<i>(</i>):				
7.	Is this an applicatio	n for an initial c	onstruction and/or	operating p	ermit for a "Gree	nfield" Source?	☐ Yes ☒ No
8.	Is this an applicatio	n for construction	on of a new emiss	ions unit at a	n Existing Sour	ce?	☐ Yes ⊠ No

		PART B: Pre-Application Meeting					
Part B sp	ecifies whether a	a meeting was held or is being requested to discuss the permit application.					
9. Was a project		en the company and IDEM prior to submitting this application to discuss the details of the					
⊠ No	☐ Yes:	Date:					
10. Would project		e a meeting with IDEM management and your permit writer to discuss the details of this					
⊠ No	☐ Yes:	Proposed Date for Meeting:					
		PART C: Confidential Business Information					
E .		oplications that require special care to ensure that confidential business ate from the public file.					
set out in the OAQ inforr	ne Indiana Administ nation regarding sul	be made at the time the information is submitted to IDEM, and must follow the requirements rative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, bmittal of confidential business information. For more information on confidentiality for mation, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission					
-	of the informationess information	on contained within this application being claimed as Confidential n?					
⊠ No	⊠ No □ Yes						
	DADT	D. Cartification Of Twith Assurant and Completenase					
is truthful	the official certifi	D: Certification Of Truth, Accuracy, and Completeness ication that the information contained within the air permit application packet complete. Any air permit application packet that we receive without a signed and incomplete and may result in denial of the permit.					
defined in		it (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as nust certify the air permit application. For all other applicants, this person is an "authorized AC 2-1.1-1(1).					
1	-	ty of law that, based on information and belief formed after reasonable inquiry, the rmation contained in this application are true, accurate, and complete.					
Melissa W		Site Lead					
Name (typ	ed)	7 Title					
	besall	$\frac{4/27/24}{\text{Date}}$					

Received by State of Indiana IDEM - OAQ Via Email 7/1/2024 KB-5

073-48036-00035 AI# 39600



OAQ GENERAL SOURCE DATA APPLICATION GSD-01: Basic Source Level Information State Form 50640 (R5 / 1-10) INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch 100 N. Senate Avenue, MC 61-53 Room 1003 Indianapolis, IN 46204-2251 Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749 www.lN.gov/idem

NOTES:

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- · Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims
 of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326
 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for
 public inspection.

	PART A: Source / Comp	any Location Info	ormation				
1.	Source / Company Name: Bayer Great Lakes Production	on Co., LLC	2. Plant ID: 073 - 0035				
3.	Location Address: 15849 South U.S Highway 231						
	City: Remington	State: IN	ZIP Code: 47977				
4.	County Name: Jasper	5. Township l	Name: Carpenter				
6.	Geographic Coordinates:	1					
	Latitude: 40.78318	Longitude:	-87.15408				
7.	Universal Transferal Mercadum Coordinates (if known	p):					
	Zone: 16 Horizontal: 48	7000	Vertical: 4514700				
8.	Adjacent States: Is the source located within 50 miles o	f an adjacent state	e?				
	☐ No ☑ Yes - Indicate Adjacent State(s): ☑ Illinois (IL)	☐ Michigan (ñ	MI) Ohio (OH) Kentucky (KY)				
9.	Attainment Area Designation: Is the source located within	ı a non-attainment a	area for any of the criteria air pollutants?				
ļ	No ☐ Yes – Indicate Nonattainment Pollutant(s): ☐ G	CO Pb N	O _x				
10.	. Portable / Stationary: Is this a portable or stationary so	ırce?	☐ Portable Stationary				
			No. 1. The				
	PART B: Sou	rce Summary	•				
11	. Company Internet Address (optional): www.bayer.	com					
12	. Company Name History: Has this source operated und	er any other name	e(s)?				
	☐ No ☐ Yes — Provide information regarding past	company names	in Part I, Company Name History.				
13	. Portable Source Location History: Will the location of	he portable sourc	ce be changing in the near future?				
	Not Applicable ☐ No ☐ Yes — Complete		Source Location History, and to Change Location of Portable Source.				
14	. Existing Approvals: Have any exemptions, registrations	s, or permits been	issued to this source?				
	☐ No ☐ Yes – List these permits and their corresp	oonding emission	s units in Part M, Existing Approvals.				
15	. Unpermitted Emissions Units: Does this source have	any unpermitted e	missions units?				
	No ☐ Yes – List all unpermitted emissions units	s in Part N, Unper	mitted Emissions Units.				
16	. New Source Review: Is this source proposing to constru	ect or modify any	emissions units?				
		in Part O, New or	Modified Emissions Units.				
17	. Risk Management Plan: Has this source submitted a R	sk Management I	Plan?				
	Not Required ☐ No ☐ Yes → Date submitted:	E	EPA Facility Identifier: — — —				

PART C: Source Contact Information							
IDEM will send the original, signed permit decision to the person identified in this section. This person MUST be an employee of the permitted source.							
18. Name of Source Contact Person: Anthony Lanoue							
19. Title (optional): Production Lead - Support Functions							
20. Mailing Address: P.O. Box 35, 15849 South U.S. Highway 231							
City: Remington	State: IN	ZIP Code: 47977					
21. Electronic Mail Address (optional): anthony.lanoue@ba	yer.com						
22. Telephone Number: (219) 261 - 4106	23. Facsimile Number	(optional): () –					
PART D: Authorized Individual/	Responsible Official Info	ormation					
IDEM will send a copy of the permit decision to the Individual or Responsible Official is different from t	person indicated in t	his section, if the Authorized					
24. Name of Authorized Individual or Responsible Officia	al: Melissa Wienke						
25. Title: Site Lead		Anna Alli					
26. Mailing Address: P.O. Box 35, 15849 South U.S. High	way 231						
City: Remington	State: IN	ZIP Code: 47977 –					
27. Telephone Number: (219) 261 - 2122	28. Facsimile Number (optional): () -						
29. Request to Change the Authorized Individual or Responsive the person designated as the Authorized Individual IDEM, OAQ? The permit may list the title of the Authorized In	ual or Responsible Officia	I in the official documents issued by					
No ☐ Yes - Change Responsible Official to:							
DART E. Chun	er Information						
30. Company Name of Owner: Bayer Great Lakes Producti							
31. Name of Owner Contact Person: Melissa Wienke	017 001, EE0						
32. Mailing Address: P.O. Box 35, 15849 South U.S. High	nwav 231						
City: Remington	State: IN	ZIP Code: 47977 –					
33. Telephone Number: (219) 261 - 2122	34. Facsimile Number	(optional): () –					
34. Operator: Does the "Owner" company also operate the s	source to which this applic	cation applies?					
☐ No Proceed to Part F below. ☑ Yes Enter *SAM	ME AS OWNER" on line 35 ar	nd proceed to Part G below.					
	itor Information						
35. Company Name of Operator: SAME AS OWNER							
36. Name of Operator Contact Person:	200000000 PF 11 PF PF						
37. Mailing Address: City:	State;	ZIP Code: -					
38. Telephone Number: () -	39 Facsimile Number						

PART G: Age	nt Information						
40. Company Name of Agent: Trinity Consultants							
41. Type of Agent: 🖂 Environmental Consultant 🔲 Attorney 🔲 Other (specify):							
42. Name of Agent Contact Person: Emily Stewart							
43. Mailing Address: 8900 Keystone Crossing, Suite 1070)						
City: Indianapolis	State: IN	ZIP Code: 46240					
44. Electronic Mail Address (optional): estewart@t	rinityconsultants.com	ANALISA MATERIA MATERI					
45. Telephone Number: (317) 451 - 8102	46. Facsimile Number	(optional): () –					
47. Request for Follow-up: Does the "Agent" wish to receive							
during the public notice period (if applicable) and a copy	of the final determination	?					
PART H: Local Li	brary Information						
48. Date application packet was filed with the local librar		plication submittal (if required)					
49. Name of Library: Remington Public Library							
50. Name of Librarian (optional):							
51. Mailing Address: 105 N Ohio Street							
City: Remington	State: IN	ZIP Code: 47977					
52. Internet Address (optional):							
53. Electronic Mail Address (optional):							
54. Telephone Number: (219) 261 2543	55. Facsimile Number	(optional): () –					
BART Is Company Mar							
PART I: Company Nam Complete this section only if the source has previously opera	ne History (if applicable)	hat is different from the name listed					
above in Section A.	ateo difoci a legal rialile li	nat is different from the frame listed					
56. Legal Name of Company		57. Dates of Use					
Monsanto Company		5/23/2000 to 8/19/2020					
		to					
and by conclude the first of the second of the first of the second of th		to					
		to					
	has a so to the Arman Arman Arman	to					
- Common American	to						
to							
	to						
		to					
		to					
58. Company Name Change Request: Is the source official	ally requesting to change t						
on all official documents issued by IDEM, OAQ?	- ·	-					

PART J: Portable Source Location History (if applicable)						
Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.						
59. Plant ID	60. Location of the Portable Source	61. Dates at this Location				
_		to				
_		to				
		to				
		to				
kondo '		to				
<u> </u>		to				
<u> </u>		to				
		to				
soint and a standard of the st		to				
_		to				
_		to				
a-111		to				
-		to				
-		to				
terral .	a Caraca de Cara	to				
_	* ISSUE AND AND PROPERTY.	to				
_		to				
_		to				
Total	""	to				
		to				

PART K: Reques	st to Change Location of Portable	Source (if applicable)	
Complete this section to request a chang	e of location for a portable source.		
62. Current Location:			
Address:			
City:	State:	ZIP Code: –	***************************************
County Name:			
63. New Location:			
Address:	3.3.444.41.444.444.444.444.444.444.444.4		
City:	State:	ZIP Code:	
County Name:			

PART L: Source Process Description Complete this section to summarize the main processes at the source.											
64. Process Description	65. Products	66. SIC Code	67. NAICS Code								
Grain (corn and soybean) Seed Plant	Cleaned grain seeds	0723	115114								
			- Carrotte Co								
- No. of the state		41-44-4									

		e issuance of the main operating permit.
68. Permit ID	69. Emissions Unit IDs	70. Expiration Date
45892	FESOP Significant Permit Revision	6/14/2032
44825	FESOP Renewal	6/14/2032
	Shade at the Art Town	

1948 (14 H. SEC. 1974)	PART N: Unpermitted Em	ssions Units (if applicable)		
Complete this se	ction only if the source has emission units the	at are not listed in any perm	nit issued by IDEM	, OAQ.
		73. Actua	Dates	
71. Emissions Unit ID	72. Type of Emissions Unit	Began Construction	Completed Construction	Began Operation
	N/A		4.01 of 400.074 APT 1	
: Westura	All control for the control			
	anti-dis-(197)			.,,,

0011 000 010 000		<u> </u>	I the sociot to proposing to due non-	v emission units or modify existing emission units. 78. Estimated Dates								
74. Emissions Unit ID	75. NEW	76. MOD	77. Type of Emissions Unit	Begin Construction	Complete Construction	Begin Operation						
			See Application Narrative									
		e carante com	***************************************									
			6,719	MANO.		·····						

APPENDIX B. EMISSION CALCULATIONS

Appendix B; Emissions Calculations Suppracy - United (Limited

Company Name: Bayer Great Lakes Production Do., LLC Source Address: 15145 S.VS Hay 231, Rentington, IN 97871 Source Dr. 678-0595

		Unkas	tátitte	tre lad Feb	ertalte E	** I (CC C.)	tu)			
êr-kı kı tisit	PU	FVD	F4/2.5	502	NO.	VGC	co	Total	Sin	da HAP
Non-Funding Emissions										
Con Biodera 1. 2.3.84	121	0.95	0.16			-				-
Ne o Direct Harvest Recentra	429	0.55	0.16				-	-		
H.A. 10 1. 2 3 8 4	7.43	4.17	0.71							
Dries 14 186 (Granting)	37.22	11.77	7.45	\rightarrow	-	-	-			
Dr. 2 x 1 4 5 and 6 (combastor)	6.54	27,23	27.43	2.17	353.91	12.35	303.17	6.81	6.50	Pierce
	4199	23.63	3.05							F:(-)A E
5-64-1	45.69	23/3	21/05	-						
5*4\$ir2					-		-			•
5'e4+' 3	45,59	23.03	21/5							
Sielar Aschraps 15.7	37,41	2)55	3.56				-			•
Stater Accimors 3 8 4	37,41	2245	3.56		.4.					
245 Pulk Storage Birs	3.07	0.37	C13				_ ·			
Selu Dreid Parvesi Slottoe (5)	307	0.77	C.13				-			•
Loadest Atolistos 1	13.73	13.42	1.73	-						
Steled Granitos & J	25.37	613	1.50				-			-
A Shafet Grant Exted Ers	3.07	0.77	6.13				÷ .			
4 Cab Laste # Birs	2.27	6.77	6.13				-			
อ ธา	3.27	0.37	6,13			•				
Shelled Grain Receiving	429	0.55	0.16							
Clearen Unestand 2	43.23	92.45	2.10	-	•					-
Softers Elves 1 and 2	163.43	26.21	4,52		٠	-				
Spenifres (and 2	8.02	6.67	6.75			-	-			
Gravity Technic Lines 1 & 2	45,59	23.56	28.95	·					-	
Strace Eng. Lines 1 & 2	3.57	0.27	0.13	+	-		-			-
New York 143	11.22	£25	1.1.7		-		·	-		•
Freman 1-3	13.47	7.51	523			373.78	1	0.13		-
Treating and Packing Statege Eins	3.07	0.77	0.13				-	-		
Pagiboret Backing Washing (EU12)	7.43	4 17	675				<u> </u>			
Vanure Basong State (EUS)/N	7.49	6.17	0.71	-	-	-	-	-		
East Pak Filter	11.22	€.25	157			-	Ť	-		
Paper Line Refuge Scale 1	2.02	1.13	0,19		-	-	1	-	+	
*s*x*s*scale 2	202	1,33	0.19	-		- ·	· ·	-	-	
Detagger EUM	7.4	4.17	0.71	-						
Small Let Bay (my (EU) (Or much (SA)	7,49	4,17	0.21					-		
Detager Euros	7.45	4,17	0.71							
tramal Karalina	7,48	4,17	0.21		·		 	· · ·		
	625	625	0.64	-	·	-		-	-	
Duni Collector Lordouts Insign Fearst Expissions	4-10	E-42	67-4				 			·
								<u> </u>		
H-SK Crox ser	1,57	174	(1.18	-	-	-	-			
Steller Constitution Spize	0.45	0.45	£,45		<u> </u>		<u> </u>	<u> </u>		
Lover Centilibrary Street	(-2.5)	0.53	0.50	<u> </u>	•	100	<u> </u>	<u> </u>	<u> </u>	
Tarva (1 Casel 1 Gasoline)	*	-				0.70	1 - i	1 22	1	L
VS Hexter	0.03	0.53	6/3	どひた-37	1,51		0.85	6.42	0.02	Partre
Tel: Trest-on Additation Occusion	0.12	0.12	0.12	<u> </u>	-		<u> </u>		<u> </u>	
VINE A Barren Teo Labor story Units	E£1	0.45	61.9				<u> </u>		_	
PetaWay'e Mys	-		<u></u>	1 -		0,49	1			
Totals (Non-Fuginis)	664.75	321.16	171.41	217	35132	331.11	35461	6.15	6.51	Herara
Feddin Emblaca										
Period Ruses	3.07	0.51	0.13	0.03	0.90	63.0	6.00	6.03	670	
Jingevod Roads	21.43	5.72	0.57	0.03	0.90	6.60	0.01	6.03	6.00	
Totals (Fugities)	24.54	€24	0.72	0(3	0.03	0.00	0.03	0.00	0.00	

	Limited Potential to Emit (tone year)										
E-asknibik	FV	FV13	F1/25	502	1.Cx	Voc	co	Talah HAPa	Şe	de m to	
han-feetive Emissions											
Com Read-fra 1, 2 3, 3 4	315	0.73	0.12	- 1						·	
Note Expert an exp Postering	3.15	67.3	6.72			-				-	
Huser of 1, 2, 3 & 4	5.43	3.64	0.52						-	-	
Down 1, 4, 53 6 (Gran Drym)	42,30	13 63	123								
Dryen 3.4, \$ 5-4 6 (50-30-50-3)	101	4.28	4.28	0.34	56.15	2.10	47.33	1.06	1.51	Herane	
	0.50	62.0	0.55								
Sheller 1	0.55	(154)	0.54		-		-	-	:	<u> </u>	
2,414.3					-			-			
5h4x3	6-2-0	0.56	0.96	L .							
Stele textion 142	2.66	2.04	0.35			-			-		
Shaffir Accustors 3 & 4	3.65	2.04	0.33		•				-		
243 P. & Scrace 6 19	1.53	0.33	0.67			-			-		
No. 4 Creat Fament Danger, \$1	2.25	6.57	0.10	1 - 1	-			-			
Lisacout Aspresur t	345	2.54	0.35						-	-	
Steled Crain Location	5,15	1,74	029		-	-		-	-	-	
4 Shelled Grain Loadow Brrs	1,53	0.33	0.07	-	+	-		-	-		
4 Cobjects a Bra	1.50	0.33	0.07	-			<u> </u>				
	1.50	0.38	457			 			-	•	
DetE1					•	<u> </u>					
Shelled Grain Repailing	2.10	0.47	619					•		-	
Chreatres14:12	72.50	5.73	0.55				<u> </u>		+		
52445 LF45 1 8/d 2	22.50	5.73	0.54							-	
Spenices 1 and 2	3.64	264	0.35	-		-	-	-	-	-	
Gravity Tables, Lines 5 & 2	22.50	13.73	11173	-				~			
Storage End Lines & & 2	1,53	6.33	0.07	-	-	-		-	-		
Ascirgion (4)	7,41	4.17	0.71				Ţ	-		•	
Total rate of	11.22	6.55	107			75.00		Đ.13			
Treating and Parking Storage Bins	1,51	633	0.07	•	•	1222		- 22.13			
Partition Bacong West ne (EU12)	3.65	2.04	0.55						H :		
	3.£=	2.04	0.55			· ·	<u> </u>	- ·			
Wain Line Baseina Scale (EU177)							<u> </u>			······	
Seed Fair Filter	11_22	£25	167			<u> </u>	<u> </u>	-	<u> </u>		
Paser Line Retuge State 1	2.02	1,13	0.19	-	•	-	<u> </u>	-		-	
Patra Sala I	5.0.5	1,13	0.13								
Dehagter Ed34	7.45	4.17	0.71	- :	-	-	١.	• •			
Small Lot Beatings EU 101 Employ 1049	344	51.4	0.45		A	1					
De to ager Eu 106	7,43	4,17	0.71			1	-				
Irremet Karylina	3.63	2.04	0.33	T -		i	1		-		
Dust Gelectut Leaguera	0.75	0.75	0.04	· .		<u> </u>	· · ·				
builda Feart Estimateus	4.7		- VIII.				·	-	-		
Hark Creens	1.37	0.27	0.13			-	٠.				
		0.45	0.13	ļ <u>-</u>				<u> </u>			
Stele Cerry Vacan Sean	C.45					 	<u> </u>	-			
Town Carrie Value System	0.50	6.5)	0.51	-	-		-				
(white Deserved 1 Condite)	+	~	-	-		1,69			<u> </u>		
NG Resters	0.02	62.9	0.05	604E-03	1.01	6.05	0.85	0.72	6.05	Period	
fisk frestment Application Operation	63.0	0.06	0.45		•				· .		
PAEK Basis Troughoston, United In	18,0	(1.15	0.53			I	Ŀ				
Para Waster Pivit				· ·		0.43	1 -	-	4		
Totals (Non-Fugitive)	223.65	G1.03	34 87	934	57.35	75 54	45.15	121	1 1 53	Bears	
Teav Very Soute Tree och	14.1	60	103	193	123	101	101	\$39	25		
FSO Wear Source Transit class		250	250	252	253	231	259	252			
	1 420	23)	1 250	x55	453	(2)	1 2.9	(3)		L	
Ferritory Emissions					,						
Paled Posts	3,02	0.51	0.15	6,60	0.00	6.00	0.00	0.53	(0.0)		
Uncowed Riseds	21,43	5.72	0.27	0.00	0.01	6.00	020	620	0.00		
Tetals Fundions	2454	€34	0.77	000	40)	0.09	0.03	665	0.02		

Notice The 1 Considered 1 quark the ineign from tite is a work conserved by estimated to emit 1 km per year of VOC emissions.

Appendix B: Emissions Calculations Modification Summary

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977 Source ID: 073-00035

	Unlimited/Uncontrolled Potential to Em (tons/year)								
Emission Unit	PM	PM10	PM2.5						
Modified/Replaced Units									
Treaters 1-3	2,24	1.25	0.21						
Total	2.24	1.25	0.21						
Minor Modification Threshold ¹	5	5	5						
Minor Modification Required?	No	No	No						

¹ Minor Source Thresholds from 326 IAC 2-7-10.5(e)

Appendix St. Eminatora Calculationa Processing - Unit specialism and

Company Name: Singer Griff Labor Profession Co., LLC Source Address: SILA Sila Hery 231, Reministrat, \$1447377 Source Str. 605-50015

Facily Proceptury Action Const. \$1500. \$415.00 had do (extension). Construction of the University of Section Const. \$1500. \$425.00 had do (extension). \$2500 had do (extension). \$2500 had do (extension). \$2500 had do (extension). \$2500 had do (extension).

		ris)	

1-ran m V+	Literati	(CE)2; Y	Tera-pross	Lering Capacity	Eritui	* 145.00	ke's-j	Link CPLEE SHIP SHIP	Lucr	ale s' irina Rom (ale)	ad Prilit	ET HON SMI ET HON SMI	Cores Effebrey	Links	4 FTE (>>	2711.)	L~	**************************************	. No1
	(F4*T)	<u>}=+++</u>	(-+)+L)	tanks	rı	F413	res	145213F	FA	F# D	FVZJ	*****	İ	FW.	P9-3	****	2	Per 0	MU
A PRINCE T T I I I I I I I I	73.37	ť	24.25	12, 3,4	دتا	123	323		1.5	10	13	47.74	121	15	125	3.2	423	DIT	LHU
an Callbrand Co. pmg	37.76		141,16	187/06	£ 4.3	15%		1.	174	4.66	4.44	54 %	123		L	L			
TEN ESTATES	12 AN	×	3+1797	17" rng	(et)	174	3170	V.	747	v 1*	***	1,41	476	145	1.4	20	1241	4.224	1,84:
CARDELSA (Fore	N.7.0	1.		15,3%	>0	1'2	(52)	7.54	ru	122	245	74.53		4.8	5 to 20	1.8:	10	10	* = 1
ger SA E DAY EGED	4+ 3.0	E	20124	an un	• • •							49			1	L			
メンド ミス かくき なぞら ちれ よくご プロ	E /27	7.	3400	755	1 275	1743	1747	236	.144	74.11	71/4	4777	145		2.00	1.0			
Parts or a Conference Revisable live	-+10/C	У;	1626	18 0.0	£373	17.4.2	12377	222	*_ 13	2L	24.0	100	MA.	15	124	1%			
rate III Cross of Class Fig. a Figs. 1 and 100 h	€π	τ	≫rx.	14' 6%	£ 2.2	1771	errs	ame	-19	28.01	71.01	47.07	Pe N	125	374	1.5			
We Name 1117	25.70	41	1.2.2%	15 045	F.31 >	374	7.735	1 77	2*41	7.13	125	14.77	575	10	214	122		***********	
A Northalla	20,000	***************************************	1776.00	1 % 015	CYT	2174	1700	1	37.61	22	322	1072	133	175	204	135	E261	1,54	b,ar.
9'11/K\ \$77	147.77	*	5635	137 640	CNT	176	1534	Ni Ni	16 7>	13.42	17h	47.7"	134	15	274	335			ı
O EAS THE LYPINA	21.32	2	21.25	43.00	-	1111	1.537		2:1	177	414	22.7	53.4	7.5-2	2.5	357	2432	1,140	120.1
which had been di	31.31	'40	25.55	18 96	767	6 401	1.311	1	1.7	4.77	111	4%	124	7.5	155	5.0			
ata See Leady	45 *77	7	0.17%	12/6/6	f det	271	1 1145	NI.	21.32	4.12	123	11.12	121	115	E74	127	6.565	4.429	EAL
Stefat Car List of Era	163.70	λ:	2025	12.04	CHI	4 200	1221	1 5	17	177	611	47.77	IXI	15	713	207			
Countries of the party of the sales	.5744	>	LC 25	1.2 1130	(E)	4.12.2	2711	1-0	1 -	1.77	411	34.53	EXT	15	3.75	1 1	6223	CAND	0.841
-1°- 1 1'0	5.6%	Y	7-1-1	17.50	CMI	1701	231	1 3	17	6.77	617	633	173	1	3.7	1	!	1	i
de frateren	202.44	'41	21.75	12/ 006	CDI	487	2:01	- 37	1.7	15	610	1474	123	177	247	304	12.5	207	CX
aret Malini	e: 032	7	A262	2.1 220	£1.7	2:=	557	1 3	41.1	7-4	3 10	4274	12.5	44.50	1 2 2	210	63.2	6146	415
alm telmii	2.77		55 14	1739	(17)	7.74	£1°5	1	130	2.7	142	1	22.1	75	57	1.0	LTS	LU	4.0
enters entit	1130	y	30.000	E2 270	761	254	/27	1 33	964	4'	4.6	+254	121	10	176	2.25	6/41	C414	1.14
T-STC-STOTE LZ	150	175	27025	12739	(37)	71622	(255)	1 11	:139	27.17	25.77	14*	224	27.5	11.13	HID			
arver balls	7151	-	26.25	21.26	151	4 24	3711	1	-	0.17	***	1473	1.74	111	174	1			
artes LT	2.00		X.42	745 725	Clex	1:34	57W	1-0	Pr 24	17	417	UK	121	7.60	4.7	17			
37-111	125 t. C	7.	# >-	wite:	CBC1	174	2 7/24	1 11	114"	221	101	4415	121		335	150			
NESS LO BATONETA BY	88.750	22	45.25	52.23	4 544	4.214	2211	1 11	474	2.4	5.34	2.3	5.30 7	137	334	220			
Later Serve, Later For C	24176	*1	.W.W.	57.74	(41	7 73	533	1	7.44	47	6 71	25	123	745	2/4	1.25	CZI	9,274	2.30
chalest balles	2114	21	24.55	157.51E	7 (61	174	2732	1 11	145	- 17	421	1	423	19	1 1/4	125			
of Friday	* 20	C1	V**9.K	NT 62	1001	2774	2374	1 14	11.22	475	177	4.14	224	17	3.12	157			
with element	11.65	1 *	61.23	22.0	1411		2 732	T v.	2/2	111	5.74	1 23	63/4	2 12	111	13.			
Sec 5, 4, 2	14 170	7.94	41.71	41.74	2 501	1.72	370	1 4	7.7	10	4)1	2 2 2	(3)	17	111	1 3 3			
dette 1.%	2/ 5:0	*	241212	149.245	464	7.74	2.0004	1 44	149	A 42	#21	35.23	121	741	417	37-	T	3	
MATHOM BODY 15	DE DIN	419	4425	14.95	COL	124	3324	1 😘	ru	1/	9.7	22.75	123	632	414	6.4	4.544	6.02	£.84:
PIGED: 3	27.30		10.7	10.70	1.041	3.74	2734	1	7.65	17	077	GH	1.7%	144	417	27			
といる。	95 DVG	32.5	\$41.59	435.540	7 X 1		2,429	T 11	F42	- 17	971	14.2	4301	275	214	1	1241	4134	7.80
m (term tration	Chi	1	17 figs	0%	4040	3-57	2 800	1 44	27	15	5.74		3 X L	0.75	5.75	114		3	
contrare set	T LC	-	41.50	6.00	1.01	1434	1231		15	134	0 **	10.0	1 44	7.5"	231	3.7		1	
S. Good Annipopeliting	-55	3.4		7.5	347	.455	147	I	>4	1. 15	5.43	NA.	1.7.3	2.45	1 10	2.0			
ter form other foreign to	+*	**	, ·	L.	142	13	3.2	1 11	25.	455	6.76	14.5	134	1 10	28	3.50		1	
es incomer salvanos s bill	37 6.	153	120	14.50	(1	1.	(1		3.0	14	8.72	***	13/4	174	1 : ((115		1	
delectrician in insid	61.41	12	850	25.515	tiet	3:36	12.0	1 51	234	140	0.01	N.	134	131	2 15	164		1	
TydFE									673.41	2256	145.17			22.45	610	14.24			

Test 11 Medializat

The author his life pick in Australia control of the act deviation of 200 have 1 to 700 have 1 to 100 have 1

Appendix B: Emissions Calculations Talc Treatment & Color Soriers

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977 Source ID: 073-00035

Scod Additive	Controlled Emission Factor (lb / 1,000 lb)	Uncontrolled Emission Factor (lb / 1,000 lb)	Maximum Throughput (tons seed/yr)	Application Rate (oz of treatment /	Application Rate (oz of treatment / tons)	Solid Application (lb/year)	Uncontrolled PTE PM (tone/yr)	Uncontrolled PTE PM10 (tons/yr)	Uncontrolled PTE PM2,5 (tons/yr)	Controlled PTE PM (tons/yr)		Controlled PTE PM2.5 (tons/yr)	Potential PM Emissions (lb/day)	Potential PM18 Emissions (lb/day)	Potential PM2.5 Emissions (lb/day)
1.nic trontment Application	0.009	0.00	120,000	3.0	36	270.D0D	0.12	0.12	0.12	1.22E-03	1,226-03	1.22E-03	0.67	0.67	0.67

Methodology
Note; Treaters are controlled by the Red Dust collector
Application rate and coaling composition provided by source.
Controlled Emission Factor from AP-42 Table 11:26-1
Uncontrolled Emission Factor (B17000b) = 0.0011600 Emission Factor (1-control efficiency) = 0.009/(1-0.99) = 0.90
Annual Capacity In tons/your = Gmin Throughput in tons/your.

Equipment	Associated Control Equipment	Equipment Rate (for/hr)	Emission Factor (lb/ton)	Eminsion Factor (lb/ton)	Emission Factor (lb/ton)	Potential Emissions (lb/hr)	Potential Emissions (lb/hr)	Potential Emissions (lb/hr)	Potential Emissions (ton/yr)	Potential Emissions (ton/yr)	Potential Emissions (ton/yr)	Potential Emissions (Ibidny)	Potential Emissions (lb/day)	Potential Emissions (Ibiday)
			PM	PM-10	PM-2,5	PM		PM-2.5	PM	PM-10	PM-2.5	PM	PM-10	PM-2.5
[1] VMck Color Sorter Small	N/A	1.12	0.06	0.03	0.01	0.07	0.04	0.01	0.30	0.17	0.03	1.64	0.91	0.1b
(1) VMck Color Sorter Small	N/A	0.9	0.06	0.03	0.01	0.05	0.03	0.01	0.24	0.13	0.02	1.32	0.73	0.13
								Total of VMEK Total All:	0.54 0.66	0.30 0.42	0.05 0.17			

Methodology
Emission tactors are taken from AP-42 Table 9.3.1-1, 2003,
PTE (annyly = Throgumput Rate (sonthi) x Emission Pactor (lation) x 8760 (arryr) / 2000 (lation)

Appendix B: Emissions Calculations Processing - Unlimited Potential to Emit Loadout Aspirator 1

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Romington, IN 47977 Source ID: 073-00035

Facility Throughput (Wet Ear Corn) = 180,000 tons/yoar* Facility Throughput Limit (dry shelled grain) = 120,000 tons/yoar*

Unlimited/Uncontrolled Potential to Emit

C-minited and market office a control of								
	Unlimited	Unlimned	Unlimited		Emiss:on			
	Capacity	Copacity	Copacity	Pollutent	Frictor	PM (TPY)		PM-2.5
Emission Unit	(lbs/hr)	(tons/hr)	(tons/year)		(lbs/lon)		PM-10 (TPY)	(TPY)
Loodout Aspirator 1	140,000	70	613,200	PM	0.081	18.70	10.42	1,78
	lbs/hr	tons/hr	tons/yr	PM10	0.034			
	total	lotal		PM2.5	0.0058	L		
Total Emissions						18.70	10,42	1,78

Limited Potential to Emit Before Controls

Eminsion Unit	Unlimited Capacity (lbs/hr)	Unlimited Capacity (tons/hr)	Limitod Capacity (tons/year)	Pollutant	Emission Factor (Ibulion)	PM (TPY)	PM-10 (TPY)	PM-2,5 (TPY)
Loodout Aspirator 1	140,000	70	120,000	PM	0.061	3.66	2.04	0.35
	lbs/hr	tons/hr	tons/yr	PM10	0.034	l		
	total	total	Limit*	PM2.5	0.0058			
Total Emissions						3.66	2.04	0.35

Notes
Facility throughput limit

Emission factors are taken from the AP-42 Table 9.9.1-1 (3/03).

Appendix B: Emissions Calculations Emissions From Seed Coating Operations Treater 1, 2, 3 and CBT 100

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977

Source ID: 073-00035

Dry Shelled grain source-wide throughput limit = 120,000 tons/year*

Unlimited

Material	Density (lb/gal)	VOC Content (lb VOC /gallon of coating)	Gallons of Mat. (gallon of seed)	Meximum (tons seed/yr)	Potential VGC (tpy)	Glycol Ether Content (%)	HAP Emissions (tpy)
Apron XL LS	9.3	6.32	0.00656	120,000	2,488	1.00%	0.02
Poncho Medium**	10,6	1,80	0.35313	0	0.000	0%	0.0
Poncho High	10.6	1,80	1,96870	120,000	212.620	0%	0.0
Precise Medium**	10.5	2.94	0.31250	0	0.000	0%	0.0
Precise High	10,5	2,94	0,46870	120,000	82.679	0%	0.0
MaximXi.	9.2	0.55	0.02625	120,000	0.866	12.00%	0.10
Red Colorant**	9.9	0.18	0.03906	0	0.000	0%	0.0
Green Colorant**	11	0.20	0.04688	0	0.000	0%	0.0
Blue Colorant	9.9	0.18	0.07813	120,000	0.844	0%	0.0
Seed Gloss	10.1	0,00	0.00000	120,000	0.000	0%	0.0
Dynasty	8.673	0.52	0.02206	120,000	0,689	0%	0.0
Trilex	9.1	1,82	0.08791	120,000	9.600	0%	0.0
Total					309.78		0.13

Limited

	VOC Limit
Unit ID	(tons/year)
Treater 1	25.0
Treater 2	25.0
Treater 3	25.0
Totals	75.0

^{*}The maximum bottleneck throughput is based on the capacity of the conditioning tower (56,000 lbs/hour * ton/2000 lbs = 28 tons/nour)
**Throughputs for certain materials set at 0 since these would not represent the maximum potential emissions for these chemicals

Appendix B: Emissions Calculations Natural Gas Combustion (≤ 100 MMBtu/h/) Unlimited Potential to Emit Dryers 3, 4, 5, 6

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977 Source ID: 073-00035

	1	Unimited			
		Heat Input Capacity			
	Unit ID	MVBtu.hr			Untimited
	Oryer 3	160	(18 burners @ 8.69 MMBtu inr each)	HHV	Throughput
	Dryer 4		(18 burners @ 8.89 I/MBtu'nr each)	mnBtu	MMCFAr
	Dryer 5	252	(28 burners @ 8.69 MJ.(Btu hr each)	mmscf	
- [Dryer 6	252	(28 burners @ 8.69 I/MB:u hr each)	1000	7218.2
	Total	824,0		•	•

		Potulant						
Emission Factor in to NAMCF	P.M* 1.9	PM10* 7.6	direct PM2.5* 7.6	\$Q2 0.6	NOx 100 "see below	VOC 5.5	60 84	
Potential Emission in tons/y	6.88	27.43	27.43	2.17	360.91	19,85	303.17	

^{*}PIM emission factor is filterable PIM only. PIM10 emission factor is filterable and condensable PIM10 combined.

Methodology
All emission factors are based on normal firing.
MMB:u = 1,000,000 But
MMCF = 1,000,000 Curtic Feet of Gas
MMCF = 1,000,000 Curtic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Poterfull Throughput (MMCP) = Heal timps Capacity (MMBut hr) x 8,760 hrs/yr x 1 MMCP/1,000 MMBu
Emission (tons/yr) = Throughput (MMCP/yr) x Emission Factor (ib MMCP) 2,000 io Non

			HAPs - Organics		
Emission Factor in its MMcf	Banzena 2.1E-03	Dichlorobenzene 1,2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3,4E-03
Potential Emission in tons/yr	7.579E-03	4,331E-03	2.707E-01	6.496	1.227E-02

			HAPs - Metals		
Emission Factor in to:MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chrom'um 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.605E-03	3.970E-03	5.053E-03	1.371E-03	7.579&-03

The five highest organic and metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.

PM2.5 errission factor is filterable and condensable PM2.5 combined.
"Emission Factors for NOx - Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners Fixe gas recirculation = 32

Appendix B: Emissions Calculations Natural Gas Combustion (≤ 100 MMBtu/hr) Elmited Potential to Emit Dryers 3, 4, 5, 6

Company Hame: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977 Source ID: 073-00035



				Pollutant			
	6W.	PM10*	direct PM2.5*	SO2	NOx	Voc	co
Emission Factor in lo MMCF	1.9	7.6	7.6	0.6	100	5.5	84
					**see bekw		
Limited Enrission in tons/yr	1.07	4.28	4.28	0.34	56.35	3.10	47.33

PPM emission factor is filterable PIA only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

"Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology
All emission factors are based on normal fring.
IMMBu = 1,000,000 Bu

KMCF = 1,000,000 Cub or Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-008-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (SM/Bluthr) x 8,760 hrsh; r x 1 MMCF/1,000 IM/Blut

Emission (Ionslyn) = Throughput (IMMCF) = Heat Input Capacity (SM/Bluthr) x 8,760 hrsh; r x 1 MMCF/1,000 IM/Bluthr) x 1 mission (Ionslyn) = Throughput (IMMCF) = Heat Input Capacity (SM/Bluthr) x 8,760 hrsh; r x 1 MMCF/1,000 IM/Bluthr) x 1 mission (Ionslyn) = Throughput (IMMCF) = Throughput (IMMCF) x 1 mission Factor (IbMM/CF) = 2,000 lbbon

		Н	APs - Organics		
Emission Factor in to MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Tcluene 3.4E-03
Potential Emission in tons/yr	1.183E-03	6.761E-04	4.226E-02	1.014	1.916E-03

			HAPs - Metals		
Emission Factor in th.MMcf	Lead 5.0E-04	Cedmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	2.817E-04	6.198E-04	7.888E-04	2.141E-04	1.183E-03
				Total HAP's =	1.C6

The five highest organic and metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix B: Emissions Calculations Natural Gas Combustion Only MM BTU/HR <100 HEATERS

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977 Source ID: 073-09035

Heat Input Capacity HHV mmBtu Potential Throughput MMCF/yr mmscf 1000 2.3 20.1

				Polidant			
Emission Factor in Ib#IdMCF	PIA* 1.9	PM10* 7.6	direct P1/2.5* 7.6	SO2 0.6	NOx 100 "see below	VOC 5.5	CO 84
Potential Emission in tons/yr	0.02	0.08	0.08	6.04E-03	1.01	0.06	0.65

Methodology
AS emission factors are based on normal fring.
MMBIU# 1,000,000 Bib
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42. Chepter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (NV/CFI₂)= Heal toput Capacity (MMBiU In) x 8,760 Instyr x 1 M/VCFI₂,000 MMBiu
Emission (tensity) # Throughput (NV/CFI₂) x Emission Factor (InMMCF)₂0.000 IbNon

i i		Ha	APs - Organics		
Emission Factor in IbfMMcf	Benzene 2.1E-03	Dichlerebenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Patential Emission in lanskyr	2.12E-05	1.21E-05	7.56E-04	0.02	3.43E-05

		HAPs - I/elals								
Emission Factor in Ib/MMcf	l.ead 5.0€-04	Cadmium 1.1E-03	Chromium 1.45-03	Manganese 3.8E-04	N∈ckel 2.1E-03					
Potential Emiss on in Ionsilyt	5.04E-06	1.11E-05	1.41E-05	3.83E-06	2.12E-05					
		***************************************	<u> </u>	Total HAP's =	0.019					
Notes			High	est Single HAP	0.02					

Notes
The five highest organic and metal HAPs emission factors are provided above. Adoltional HAPs emission factors are available in AP-42, Chapter 1.4.

Natuari Gas Heater Data		
	Maximum	Maximum
	Heat Input	Heat Output
	Capacity	Capacity
	(Blu.hr)	(Btu'hr)
Shop 1-Forced Air	225,000	182,300
Shep 2-Forced Air	125,000	100,000
Shap 3-Forced Air	125,000	100,000
Battery Area-Radiant	125,000	N/A
Small Lot Line 1-Rad ant	125,000	N/A
Small Lot Line 2-Red ant	125,000	N/A
Palletizer 1-Radiant	300,000	N/A
Palletizer 2-Radiant	250,000	N/A
Bagger 1-Radiant	40,000	N≀A
Bagger 2-Radiant	60,000	N/A
Bagger 3-Radiant	60,000	N/A
Seed Pak Filler 1-Radiant	40,000	N/A
Seed Pak Filler 2-Radiant	60,000	N/A
Seed Pak Filler 3-Radiant	60,000	N/A
Seed Pak Filler 4-Radiant	60,000	N/A
New Office HVAC 1	50,000	N/A
New Office HVAC 2	50,000	N/A
North Dock Heater	200,000	N/A
South Dock Heater	200,000	N/A
	2,300,000	Btu.hr
	2.30	MMStuffir

Prepared by Trinity Consultants

PM. emission factor is filterable PM only. PM 10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

"Emission Factors for NOx - Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners-Flue gas recirculation = 32

Appendix B: Emissions Calculations Parts Washer

Company Name: Bayer Great Lakes Production Co., LLC Source Address: 15849 S US Hwy 231, Remington, IN 47977

Source ID: 073-00035

Parts Washer

Material	Density (Ibs/gal)	Maximum Usage (gal/yr)	Weight % VOC	PTE VOC (tons/yr)
Safety-Kleen Solvent	6.70	145	100%	0.485
				0.485

Methodology

PTE VOC (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC x 1 ton/2,000 lbs

Appendix B: Emissions Calculations Fug'tive Dust Emissions - Paved Roads

Company Name: Bayer Great Labes Production Co., LLC Source Address: 15843 S US Hay 235, Remiregion, IN 47377 Source ID: 073-0035

Paved Roads at Industrial Site
The following calculations determine the amount of emissions created by pailed reads, based on 8 760 hours of use and AP-42, Ch 13.2.1 (19011).

Vehicle (information (provided by source)									
1	Max Turn runter	th mises of con-		Mar mum Weight	Yetal Weicht	Nachmere	Marin more	Nam more	Macramone
		wz/tr'ps per day	Maximumtops	o' Loaded Vehide		way distance	waydstance	waymiles	way m ks
Type	Cay	per vehicle	per day (tric day)	(torstrp)	(kiniday)	(fee:trp)	(m trp)	(#4esKay)	(m.les \r)
Vehicle (entering plant) (one-way trip)	16.8	1.0	16.6	40.0	672.0	771	0.146	2.5	845.4
Vericle (leaving plant) (one-way trip)	16.8	1,0	16.8	420	672.0	771	0.146	2.5	£95.4
		Totals	33,6		1344,0			4.9	1790.8

Average Vehicle Weight Per Trip = 42.0 taxis trip
Average Affes Per Trip = 0.15 tribes/rip

Unnitigated Enrission Factor, Ef = (k*(sL)*0.91*(V)*1.02) (Equation 1 Fort A9-42 13.2.1)

	PM	PM10	P.M.2.5	
where t =	0.011	0.0022	0.00054	bANT = partide size π.hpler (APH2 Table 13.2.1-1)
₩=	40.0	40.0	40.0	tons = allerage with delive ght
st z	97	97	97	om*2 = sit tracing value for caved roads at iron and steel production facilities - Table 13.2.1-31

Fishing natural in 1980 in dies to presipitation into consideration, Missated Emission Fector, Each = E*(1-1,04.N)] (Equation 2 From AP-42 13.2.1)

Mit grand Emission Factor, Each = E*(1),04.NS]

Where 12.5 days for properation are equal to 0.01 inches (see Fig. 12.2.1-2)

N = 335 days per year.

	PVI	F#/10	PN2.5	j
Unmitigated Ermission Factor, Ef =	3.745	0.749	0.1838	אַרילבו
Magated Emission Factor, East #	3.424	0.635	0.1681	la/mile
Dust Control Efficiency =	50As	59 X	50%	gensuart to control measures outlined in highly a dust control plan)

	Mitgated	12 tigated	Misgated	Magates	MtSgated	Mitgaled
	PTE of PM	PTE of F1/10	PTE c! PMZ.5	PTE of PM	PTE of FM10	PTE of FT#2.5
	(Before Control)	(Before Control)	(Before Control)	(After Control)	(After Control)	(After Control)
Process	(lone/yr)	("cons.)rr)	(tons/yr)	(tons >r)	(torsys)	(30.74°/4)
Vehicle (entaing plant) (one-way trip)	1.53	0.31	0.08	£77	3.15	0.04
Vehicle (leaving plant) (one-way trip)	1.53	0.31	0.03	0.77	0.15	0.04
7-4-	- 207	A 64	0.45	4 53	A 3 (0.00

Methodology
Total Weight driven per day (bon'day)
Marmum dreve significants (miles)
Marmum dreve significants (miles)
Marmum dreve significants (miles)
Marmum dreve significants (miles)
Marmum dreve Weight (miles)
Marmum dreve dreve dreven)
Margadad PIE (After Control) (miles)
Magadad PIE (After Control) (miles)
Magadad PIE (After Control) (miles)
Magadad PIE (After Control) (miles)

- " [Maximum Weight of Loaded Vehicle possibile] "[Maximum tips per day (biolisy)]

 = [Maximum one-say cotamon (feet high [1626 filmha])

 = [Maximum one-say cotamon (feet high [1626 filmha])

 = Maximum one-say cay one (roks) "[Pazimum co-say of stance (militips)]

 = SLACTO-sail Weight contemper day (loanisys) "SLAT Jarmum tips per day (tipiday)]

 = SLACTO-sail Weight contemper day (loanisys) "SLAT Jarmum tips per say (tipiday)]

 = [Maximum contemper say one (militips)] "[Maximum contemper per (tipiday)" (loanisys)" [Maximum contemper fister (filmha)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)" (loanisys) "[Maximum contemper say (tipiday)" (loanisys)"

Abbreviations
PV = Patroutre Water
PV10 = Parsoutre Mater
PV10 = Parsoutre Mater (<10 um)
PV2.5 = Patride Mater (<2.5 um)
PTE = PoterSaf to Emit

Appendix B: Emissions Catculations Fugitive Dust Emissions - Unpaved Roads

Company Name: Bayer Great Lahes Production Co., LLC Source Address: 1544 S US H.vy 231, Remington, IX 47977 Source ID: 073-00935

Unpayed Roads at Industrial Site
The following calculature determine the empirit of empirical calculature determine the empirit of empirical calculature determine the empirit of empirical calculature determine the empirit

Vehicle Information (provided by source)									
	1	1		Maxmum				1	Madrum
	Maximum	Number of one-		Weight of	Total Weight	Maximum one-	Marmum cre-	Maximum or e	coeusy
1	runberof	vay rics per day	Madirumbips	Loaded Values	driven per day	waydalante	way distance	waym.ñes	mies
7)5-6	vehicles	per vehicle	perday (Mp'day)	(tons trip)	(Kontilay)	(fee 1 p)	(m/35a)	(mlas Vay)	(# fes',r)
Vencle (enting plant) (one-way trp) REC	25.0	1.0	25.0	49.0	1000.0	1590	0.301	7.5	2747.9
Vehicle (leaving plant) (one-way trip) REC	25.0	1.0	25.0	20.6	500.8	933	631.0	4.7	1719.6
Vehicle (entaring plant) (one-way trip) Loadout	18.0	1.0	18.0	20.0	360.0	1590	0.301	5.4	1978.5
Vehicle (leaving plant) (or e-way trip) Leadout	18.0	1.0	18.0	40.0	720.0	595	0.188	3.4	1238.1
		Totals	86.0		2560.0			21.1	7584.0

Average Vehicle Weight Per Trip = 30.0 constrip
Average filtes Per Trip = 0.24 miles hip

Unimogated Emission Factor, Ef = 1*((s/12)*a[*[(W/S)*b] (Equation 1a from AP-42 13.2.2)

PM PM10 PN2.5	
where k = 4.9 1.5 0.15 Ib/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)	
s = 6.0 6.0 6.0 % = mean % sit content of unpained roads (AP-42 Tebbs 13.2.2-1 from and	iteal Production)
a = 0.7 0.9 0.9 = constant (AP-42 Table 13.2.2-2 for Industrial Roads)	
W = 30.0 30.0 30.0 lons = serego vehida veight	
b = 0.45 0.45 0.45 = constant (AP-42 Table 13.2.2-? for Industrial Roads)	

Taking natural mägaskindule to preopitation into consideration. Mägased Emission Factor, Elect = E 1 (365 - P) (365

	FM	PMIO	P/V2.5	
Unmit galled Emission Factor, Eff	8.50	2,27	0.23	lo trate
IMigated Emission Factor, East =	5.59	1,49		to imila
Dust Control Efficiency =	50%	50%	£0%	(pursuant to control measures outlined in fugitive dust control plan)

	Nitgeted PTE of FN (Before Control)	Mögsted PTE of FM10 «Before Control)	Miligated PTE of PM2.5 (Before Control)	Misigeted PTE of PM (After Control)	Mitigated PTE of PM10 (After Control)	Missated PTE of PIJ25 (After Control)
Process	(tons'yr)	(tor.s'yt)	(lonsor)	(tons'yr)	(tors',r)	(tons's)
Vehicle (enterrigiplant) (one-way trip) REC	7.63	2.05	0.20	3.84	1.02	0.10
Vehicle (leaving plant) (one-way trp) REC	4.51	1.28	0.13	2.40	0.64	63.0
Vehicle (entering plant) (one-way trip) Loadout	5.53	1.47	0.15	2,76	0.74	5.07
Vehicle (leaving plant) (one-way trip) Loadout	3.46	0.92	0.09	1.73	0.45	0.05
Yntale	21.48	5.72	0.57	10.74	286	0.29

Methodology
Total Weight drisin per day (Ich Ne.)
Mashrem cro-war, distance (mitrip)
Mashrem cro-war, miss (in les Yes)
Average Velock Weight Per Tit, (totatip)
Average Miss Par Tin, (miss Yes)
Mashred Miss Par Tin, (miss Yes)
Mashred Miss Rear Control (foresty)
Mashred PER (After Control) (foresty)

- = (Naum, n Welyn of Loaded Verida (torsing); "(Madn, n tips per day (npiday);
 = (Maint, n one-way deterce (feeting) / (S260 film);
 = (Maint, n one-way deterce (feeting) / (Safri, n one-way datance (nting));
 = (Maint, n one-way in polary); "(Maint, n one-way datance (nting));
 = (Maint, n one-way inter (maint, n one-way interest (maint, n one-wa

Abbreviations
PM = Perbodate Major
PM(0 = Particulate Major (<40 um)
PM2.5 = Perioculate Meter (<2.5 um)
PTE = Potental to Em)