



\* I M A G E \*



\* 1 8 3 1 \*



\* 0 1 \*



\* R E N A P P \*



\* 2 1 5 \*



\* 2 \*



RECEIVED  
JAN 03 2024  
Permit Review Branch  
Division for Air Quality

RTP Company  
580 East Front Street  
PO Box 5439  
Winona, Minnesota  
55987-0439 USA

Telephone (507) 454-6900  
Fax (507) 454-4629  
Internet [www.rtpcompany.com](http://www.rtpcompany.com)

December 15, 2023

Division for Air Quality  
Permit Support Section  
300 Sower Blvd., Second Floor  
Frankfort, KY 40601

RE: Permit Renewal – Permit F-19-001-R2  
RTP Company  
AI ID # 1831  
Henderson, Kentucky

Permit Reviewer,

RTP is submitting a permit renewal application for the existing, FESOP for the Henderson, Kentucky facility. There has been a removal of the Schick Loading Hopper (001-14). There are currently three Finished Product Load Stations. Enclosed, please find the required forms and supporting documentation demonstrating compliance with Division for Air Quality regulations.

Should you have any questions concerning this application, please contact me.

Sincerely,

Andrew Grigg  
Environmental Specialist  
RTP Company  
580 East Front Street  
Winona, MN 55987  
Direct # 507-474-5438  
Cell # 507-470-6215  
[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)

**World Headquarters: Winona, MN**

Crockett, TX • Dayton, NV • Dupo, IL • Fort Worth, TX • Gahanna, OH • Henderson, KY • Indianapolis, IN • Orange, TX  
Portage, WI • Prescott, WI • St. Cloud, MN • Sauk Rapids, MN • South Boston, VA • Monterrey, Mexico  
Beaune, France • Wroclaw, Poland • Singapore • Anhui, China • Shenzhen, China • Suzhou, China

*No information supplied by RTP Company constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use, based upon RTP Company or other customer experience. RTP Company makes no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use. The disclosure of information herein is not a license to operate under, or a recommendation to infringe any patents.*

## SOURCES OF EMISSION FACTORS

MONSANTO

G.E. PLASTICS

SHELL CHEMICAL CO

ALLIED-SIGNAL, INC.

QUANTUM CHEMICAL CO.

LEXMARK-IBM

SOCIETY OF THE PLASTICS INDUSTRY

Hoff, A.; Jacobsson, S.; Pfaffli, P.; Zitting, A.; Frostling, H.: Degradation Products of Plastics. Scand. J. Work Envir. Health, (1982) suppl 2, 60

Barlow, A; Contos, D; Holdren, W; Garrison, P; Harris, L; Janke, B: Development of Emission Factors for Polyethylene Processing. Journal of the Air & Waste Management Association, June 1996, Volume 46, pp 569-580.

In-Plant Source Testing; Caprolactum Emissions from Nylon Processing.  
Formaldehyde/Acrolein Emissions from Polypropylene

Emission Inventory Improvement Program, Volume II, Chapter 14, Page 14.A-29

MWM dba RTP Company  
Line 5, Formerly K01  
ESTIMATED PTE EMISSIONS

Product :

Air Pollutant	KYEIS#	%	Production Lbs	E-Factor per lb produced	Est. Emissions Lbs/hr.	Capture Efficiency 0.95	Control Efficiency TORIT 0.9999	Control Efficiency Baghouse 0.999	Estimated Net Emissions Lbs	Estimated PTE Emissions Tons
Carbon Black		0.41	4000							
Carbon Black	001-08			0.01	16.4	15.58	15.56442	0.81918	0.0164	71.832
Carbon Black	001-10				16.4	15.58	15.56442	0.81918	0.0164	71.832
Resins		0.59	4000							
Particulates	001-08			0.0004	0.944	0.8968	0.8959032	0.0471528	0.000944	4.13472
Particulates	001-10			0.0004	0.944	0.8968	0.8959032	0.0471528	0.000944	4.13472
Black Plastic Resin		100%	4000	0.0104	17.344	16.4768	16.4603232	0.8663328	0.017344	75.96672
VOC's	001-11			0.00011	0.44120				0.44120	1.93246
Formaldehyde	001-11			3.611E-07	1.444E-03				1.444E-03	6.327E-03
Acrolein	001-11			9.603E-09	3.841E-05				3.841E-05	1.683E-04
Propionaldehyde	001-11			7.276E-09	2.910E-05				2.910E-05	1.275E-04
MEK	001-11			5.882E-08	2.353E-04				2.353E-04	1.031E-03
Acrylic Acid	001-11			1.128E-08	4.513E-05				4.513E-05	1.977E-04
Acetaldehyde	001-11			6.386E-05	2.554E-01				2.554E-01	1.119E+00
Xylene	001-11			7.166E-08	2.866E-04				2.866E-04	1.255E-03
Methylene Chloride	001-11			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Phenol	001-11			7.166E-08	2.866E-04				2.866E-04	1.255E-03
Phthalic Anhydride	001-11			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Biphenyl	001-11			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Benzene	001-11			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Styrene Dimer Isomers	001-11			1.185E-06	4.740E-03				4.740E-03	2.076E-02
Toluene	001-11			7.166E-08	2.866E-04				2.866E-04	1.255E-03
Styrene	001-11			7.359E-06	2.944E-02				2.944E-02	1.289E-01
Ethylbenzene	001-11			2.307E-07	9.227E-04				9.227E-04	4.042E-03
Acrylonitrile	001-11			1.325E-07	5.301E-04				5.301E-04	2.322E-03
Caprolactum	001-11			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Other HAPS	001-11			1.325E-07	5.301E-04				5.301E-04	2.322E-03
<b>Total HAPS</b>				<b>0.0000736</b>	<b>0.2942442</b>				<b>0.2942442</b>	<b>1.2887895</b>

MWM dba RTP Company  
K-02  
ESTIMATED PTE EMISSIONS

Product :

Air Pollutant	KYEIS#	%	Production Lbs	E-Factor per lb produced	Est. Emissions Lbs/hr.	Capture Efficiency 0.95	Control Efficiency TORIT 0.9999	Control Efficiency Baghouse 0.999	Estimated Net Emissions Lbs	Estimated PTE Emissions Tons
Carbon Black		0.34	2000							
Carbon Black	001-04			0.01	6.8	5.1	6.45354	1.6983	0.0068	29.784
Carbon Black	001-06				6.8	6.46	6.45354	0.33966	0.0068	29.784
Resin		0.66	2000							
Particulates	001-04			0.0004	0.528	0.5016	0.5010984	0.0263736	0.000528	2.31264
Particulates	001-06			0.0004	0.528	0.5016	0.5010984	0.0263736	0.000528	2.31264
Black Plastic Resin		100%	2000	0.0104	7.328	5.6016	6.9546384	1.7246736	0.007328	32.09664
VOC's				0.00030	0.60140				0.60140	2.63413
Formaldehyde	001-07			1.495E-08	2.990E-05				2.990E-05	1.310E-04
Acrolein	001-07			2.145E-09	4.291E-06				4.291E-06	1.879E-05
Propionaldehyde	001-07			1.390E-09	2.781E-06				2.781E-06	1.218E-05
MEK	001-07			2.116E-09	4.233E-06				4.233E-06	1.854E-05
Acrylic Acid	001-07			1.148E-09	2.297E-06				2.297E-06	1.006E-05
Acetaldehyde	001-07			1.279E-04	2.558E-01				2.558E-01	1.120E+00
Xylene	001-07			8.043E-08	1.609E-04				1.509E-04	7.046E-04
Methylene Chloride	001-07			3.572E-06	7.143E-03				7.143E-03	3.129E-02
Phenol	001-07			1.130E-06	2.259E-03				2.259E-03	9.896E-03
Phthalic Anhydride	001-07			2.521E-07	5.043E-04				5.043E-04	2.209E-03
Biphenyl	001-07			2.521E-07	5.043E-04				5.043E-04	2.209E-03
Benzene	001-07			2.521E-07	5.043E-04				5.043E-04	2.209E-03
Styrene Dimer Isomers	001-07			1.481E-06	2.962E-03				2.962E-03	1.297E-02
Toluene	001-07			4.202E-07	8.405E-04				8.405E-04	3.681E-03
Styrene	001-07			4.197E-05	8.393E-02				8.393E-02	3.676E-01
Ethylbenzene	001-07			6.156E-06	1.231E-02				1.231E-02	5.393E-02
Acrylonitrile	001-07			9.006E-07	1.801E-03				1.801E-03	7.889E-03
Caprolactum	001-07			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Other HAPS	001-07			1.606E-05	3.212E-02				3.212E-02	1.407E-01
<b>Total HAPS</b>				<b>0.0002005</b>	<b>0.4009083</b>				<b>0.4009083</b>	<b>1.7559785</b>

MWM dba RTP Company  
K-03  
ESTIMATED PTE EMISSIONS

Product :

Air Pollutant	KYEIS#	%	Production Lbs	E-Factor per lb produced	Est. Emissions Lbs/hr.	Capture Efficiency 0.95	Control Efficiency TORIT 0.9999	Control Efficiency Baghouse 0.999	Estimated Net Emissions Lbs	Estimated PTE Emissions Tons
Carbon Black		0.3	1000							
Carbon Black	001-01			0.01	3	2.85	2.84715	0.14985	0.003	13.14
Carbon Black	001-02				3	2.85	2.84715	0.14985	0.003	13.14
Resins		0.7	1000							
Particulates	001-01			0.0004	0.28	0.266	0.265734	0.013986	0.00028	1.2264
Particulates	001-02			0.0004	0.28	0.266	0.265734	0.013986	0.00028	1.2264
Black Plastic Resin		100%	1000	0.0104	3.28	3.116	3.112884	0.163836	0.00328	14.3564
VOC's	001-03			0.00017	0.16600				0.16600	0.72708
Formaldehyde	001-03			6.136E-10	6.136E-07				6.136E-07	2.688E-06
Acrolein	001-03			2.194E-10	2.194E-07				2.194E-07	9.609E-07
Propionaldehyde	001-03			4.990E-10	4.990E-07				4.990E-07	2.186E-06
MEK	001-03			2.017E-10	2.017E-07				2.017E-07	8.832E-07
Acrylic Acid	001-03			3.008E-10	3.008E-07				3.008E-07	1.317E-06
Acetaldehyde	001-03			7.776E-05	7.776E-02				7.776E-02	3.406E-01
Xylene	001-03			7.399E-08	7.399E-05				7.399E-05	3.241E-04
Methylene Chloride	001-03			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Phenol	001-03			7.399E-08	7.399E-05				7.399E-05	3.241E-04
Phthalic Anhydride	001-03			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Biphenyl	001-03			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Benzene	001-03			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Styrene Dimer Isomers	001-03			0.000E+00	0.000E+00				0.000E+00	0.000E+00
Toluene	001-03			1.110E-06	1.110E-03				1.110E-03	4.861E-03
Styrene	001-03			1.900E-05	1.900E-02				1.900E-02	8.322E-02
Ethylbenzene	001-03			2.764E-06	2.764E-03				2.764E-03	1.211E-02
Acrylonitrile	001-03			3.892E-07	3.892E-04				3.892E-04	1.705E-03
Caprolactum	001-03			2.381E-06	2.381E-03				2.381E-03	1.043E-02
Other HAPS	001-03			7.134E-06	7.134E-03				7.134E-03	3.125E-02
<b>Total HAPS</b>				<b>0.0001107</b>	<b>0.1106863</b>				<b>0.1106863</b>	<b>0.4848061</b>

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

DEP7007AI

Administrative Information

- Section AI.1: Source Information
- Section AI.2: Applicant Information
- Section AI.3: Owner Information
- Section AI.4: Type of Application
- Section AI.5: Other Required Information
- Section AI.6: Signature Block
- Section AI.7: Notes, Comments, and Explanations

Additional Documentation

Additional Documentation attached

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: 12/15/2023

Section AI.1: Source Information

Physical Location Address:	Street:	<u>1450 Commonwealth Drive</u>		
	City:	<u>Henderson</u>	County:	<u>Henderson</u>
			Zip Code:	<u>42420</u>
Mailing Address:	Street or P.O. Box:	<u>1450 Commonwealth Drive</u>		
	City:	<u>Henderson</u>	State:	<u>Henderson</u>
			Zip Code:	<u>42420</u>

Standard Coordinates for Source Physical Location

Longitude: 37.81536 (decimal degrees)      Latitude: 87.59008 (decimal degrees)

Primary (NAICS) Category: Plastic Compounding      Primary NAICS #: 325991

**Classification (SIC) Category:** Plastic Compounding **Primary SIC #:** 3087

**Briefly discuss the type of business conducted at this site:**  
 RTP produces color concentrate plastic pellets with extruders from carbon black and various resins.

**Description of Area Surrounding Source:**  
 Rural Area     Industrial Park     Residential Area  
 Urban Area     Industrial Area     Commercial Area

**Is any part of the source located on federal land?**     Yes     No

**Number of Employees:** 50

**Approximate distance to nearest residence or commercial property:** 460 feet    **Property Area:** 13 acres    **Is this source portable?**     Yes     No

**What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?**

**NPDES/KPDES:**     Currently Hold     Need     N/A

**Solid Waste:**     Currently Hold     Need     N/A

**RCRA:**     Currently Hold     Need     N/A

**UST:**     Currently Hold     Need     N/A

**Type of Regulated Waste Activity:**  
 Mixed Waste Generator     Generator     Recycler     Other: \_\_\_\_\_  
 U.S. Importer of Hazardous Waste     Transporter     Treatment/Storage/Disposal Facility     N/A



Division for Air Quality  300 Sower Boulevard Frankfort, KY 40601 (502) 564-3999	<b>DEP7007B</b> Manufacturing or Processing Operations  <input type="checkbox"/> Section B.1: Process Information <input type="checkbox"/> Section B.2: Materials and Fuel Information <input type="checkbox"/> Section B.3: Notes, Comments, and Explanations	<b>Additional Documentation</b>  <input type="checkbox"/> Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG.  <input type="checkbox"/> Attach a flow diagram <input type="checkbox"/> Attach SDS
--	--	--

**Source Name:** Miller Waste Mills DBA RTP Company

**KY EIS (AFS) #:** 21- 101-00125

**Permit #:** F-19-001

**Agency Interest (AI) ID:** 1831

**Date:** 12/15/2023

<b>Section B.1: Process Information</b>										
Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process Continuous or Batch?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
001-11b	K-01 FCM	K-01 Farrel Continous Mixer	001-11b	Continuous Mixer	FCM	Custom	08/2022	Continuous	N/A	N/A
001-08	K-01 FCM Dump Station	K-01 FCM Dump Station	001-08	Polymer Dump Station	FCM	Custom	03/1998	Continuous	N/A	N/A
001-09	K-01 FCM Additive Station	K-01 FCM Additive Station	001-09	Polymer Additive Station	FCM	Custom	03/1998	Continuous	N/A	N/A
001-10	K-01 FCM Feed Station	K-01 FCM Feed Station	001-10	Polymer Feed Station	FCM	Custom	03/1998	Continous	N/A	N/A

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit (tons/hr)	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				(Specify Units/hr)				(Specify Units/hr)			(Specify Units)		(Specify Units)		
001-11b	K-01 FCM	Carbon Black Resins Additive Filler Material	4000	lbs	2	Black Plastic Concentrate	4000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-08	K-01 FCM Dump Station	Carbon Black Resins	2341	lbs	1	Black Plastic Concentrate	2341	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-09	K-01 FCM Additive Station	Additive Filler Material	2341	lbs	1.75	Black Plastic Concentrate	2341	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-10	K-01 FCM Feed Station	Carbon Black Resins Additive Filler Material	2341	lbs	2	Black Plastic Concentrate	2341	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A

Division for Air Quality  300 Sower Boulevard Frankfort, KY 40601 (502) 564-3999	<b>DEP7007B</b> <b>Manufacturing or Processing Operations</b>  ___ Section B.1: Process Information ___ Section B.2: Materials and Fuel Information ___ Section B.3: Notes, Comments, and Explanations	<b>Additional Documentation</b>  ___ Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG. ___ Attach a flow diagram ___ Attach SDS
--	---	--

**Source Name:** Miller Waste Mills DBA RTP Company  
**KY EIS (AFS) #:** 21- Miller Waste Mills DBA RTP Company  
**Permit #:** F-19-001  
**Agency Interest (AI) ID:** 1831  
**Date:** 12/15/2023

<b>Section B.1: Process Information</b>										
Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process Continuous or Batch?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
001-07	K-02 FCM	K-02 Farrel Continous Mixer	001-07	Continuous Mixer	FCM	Custom	02/1998	Continuous	N/A	N/A
001-04	K-02 FCM Dump Station	K-02 FCM Dump Station	001-04	Polymer Dump Station	FCM	Custom	07/2018	Continuous	N/A	N/A
001-05	K-02 FCM Additive Station	K-02 FCM Additive Station	001-05	Polymer Additive Station	FCM	Custom	07/2018	Continuous	N/A	N/A
001-06	K-02 FCM Feed Station	K-02 FCM Feed Station	001-06	Polymer Feed Station	FCM	Custom	07/2018	Continuous	N/A	N/A

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit (tons/hr)	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				(Specify Units/hr)				(Specify Units/hr)			(Specify Units)		(Specify Units)		
001-07	K-02 FCM	Carbon Black Resins Additive Filler Material	1000 lbs 1900 lbs 160 lbs			Black Plastic Concentrate	2000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-004	K-02 FCM Dump Station	Carbon Black Resins	1000 lbs 1900 lbs			Black Plastic Concentrate	2000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-05	K-02 FCM Additive Station	Additive Filler Material	160 lbs			Black Plastic Concentrate	2000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-06	K-02 FCM Feed Station	Carbon Black Resins Additive Filler Material	1000 lbs 1900 lbs 160 lbs			Black Plastic Concentrate	2000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A

Division for Air Quality  300 Sower Boulevard Frankfort, KY 40601 (502) 564-3999	<b>DEP7007B</b> <b>Manufacturing or Processing Operations</b>  <input type="checkbox"/> Section B.1: Process Information <input type="checkbox"/> Section B.2: Materials and Fuel Information <input type="checkbox"/> Section B.3: Notes, Comments, and Explanations	<b>Additional Documentation</b>  <input type="checkbox"/> Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG. <input type="checkbox"/> Attach a flow diagram <input type="checkbox"/> Attach SDS
--	--	---

<b>Source Name:</b>	<u>Miller Waste Mills DBA RTP Company</u>
<b>KY EIS (AFS) #:</b>	<u>21- 101-00125</u>
<b>Permit #:</b>	<u>F-19-001</u>
<b>Agency Interest (AI) ID:</b>	<u>1831</u>
<b>Date:</b>	<u>12/15/2023</u>

**Section B.1: Process Information**

Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process Continuous or Batch?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
001-01	K-03 FCM Dump Station	K-03 FCM Dump Station	001-01	Polymer Dump Station	FCM	Custom	08/1997	C	N/A	N/A
001-02	K-03 FCM Feed Station	K-03 FCM Feed Station	001-02	Polymer Feed Station	FCM	Custom	08/1997	C	N/A	N/A
001-03	K-03 FCM	K-03 Farrel Continuous Mixer	001-03	Continuous Mixer	FCM	Custom	08/1997	C	N/A	N/A

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit (tons/hr)	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				(Specify Units/hr)				(Specify Units/hr)			(Specify Units)		(Specify Units)		
001-01	K-03 FCM Dump Station	Carbon Black Resins	1000	lbs/hr		Black Plastic Concentrate	1000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-02	K-03 FCM Feed Station	Carbon Black Resins Additive Filler Material	1000	lbs/hr		Black Plastic Concentrate	1000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-03	K-03 FCM	Carbon Black Resins Additive Filler Material	1000	lbs/hr		Black Plastic Concentrate	1000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A

Division for Air Quality  
 300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007B**  
 Manufacturing or Processing  
 Operations

- Section B.1: Process Information
- Section B.2: Materials and Fuel Information
- Section B.3: Notes, Comments, and Explanations

**Additional Documentation**  
 Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG.  
 Attach a flow diagram  
 Attach SDS

Source Name: Miller Waste Mills DBA RTP Company  
 KY EIS (AFS) #: 21- 101-00125  
 Permit #: F-19-001  
 Agency Interest (AI) ID: 1831  
 Date: 12/15/2023

**Section B.1: Process Information**

Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process <u>Continuous</u> or <u>Batch</u> ?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
001-15	Finished Product Load Station # 1	Finished Product Load Station # 1	001-15	Pneumatic Loading Station			08/1997	C	N/A	N/A
001-16	Finished Product Load Station # 2	Finished Product Load Station # 2	001-16	Pneumatic Loading Station			08/1997	C	N/A	N/A
001-17	Finished Product Load Station # 3	Finished Product Load Station # 3	001-17	Pneumatic Loading Station			09/2022	C	N/A	N/A

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit (tons/hr)	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				(Specify Units/hr)				(Specify Units/hr)			(Specify Units)		(Specify Units)		
001-15	Finished Product Load Station # 1					Black Plastic Concentrate	8000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-16	Finished Product Load Station # 2					Black Plastic Concentrate	8000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
001-17	Finished Product Load Station # 3					Black Plastic Concentrate	8000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A



Division for Air Quality  300 Sower Boulevard Frankfort, KY 40601 (502) 564-3999	<b>DEP7007B</b> Manufacturing or Processing Operations  <input type="checkbox"/> Section B.1: Process Information <input type="checkbox"/> Section B.2: Materials and Fuel Information <input type="checkbox"/> Section B.3: Notes, Comments, and Explanations	<b>Additional Documentation</b>  <input type="checkbox"/> Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG.  <input type="checkbox"/> Attach a flow diagram <input type="checkbox"/> Attach SDS
--	--	--

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: 12/15/2023

**Section B.1: Process Information**

Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process <u>Continuous</u> or <u>Batch</u> ?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
002-04	100 cu. ft. Ribbon Blender	100 cu. ft. Ribbon Blender	002-004	Pre-blending			08/1997			
002-11	Marion Mixer FCS-HA 140 SV	Marion Mixer FCS-HA 140 SV	002-11	Blending of finished plastic pellets			04/2021			

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit <i>(tons/hr)</i>	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				<i>(Specify Units/hr)</i>				<i>(Specify Units/hr)</i>			<i>(Specify Units)</i>		<i>(Specify Units)</i>		
002-04	100 cu. ft. Ribbon Blender	Plastic Resins	6000	lbs/hr		Black Plastic Consintrate	6000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A
002-11	Marion Mixer FCS-HA 140 SV	Plastic Resins	12000	lbs/hr		Black Plastic Consintrate	12000	lbs/hr	Electric	N/A	N/A	N/A	N/A	N/A	N/A

Division for Air Quality

300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007B**

Manufacturing or Processing  
 Operations

- Section B.1: Process Information
- Section B.2: Materials and Fuel Information
- Section B.3: Notes, Comments, and Explanations

**Additional Documentation**

- Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG.
- Attach a flow diagram
- Attach SDS

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: 12/15/2023

**Section B.1: Process Information**

Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process Continuous or Batch?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
2	Process Room 2	Room adjacent to production	11	Marion Mixer	Marion	12,000 FCS-HA 140SV	04/2021	Batch	1	1

Division for Air Quality  
 300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007B**  
 Manufacturing or Processing  
 Operations

- Section B.1: Process Information
- Section B.2: Materials and Fuel Information
- Section B.3: Notes, Comments, and Explanations

**Additional Documentation**  
 Complete DEP7007AI, DEP7007N, DEP7007V, and DEP7007GG.  
 Attach a flow diagram  
 Attach SDS

**Source Name:** Miller Waste Mills DBA RTP Company  
**KY EIS (AFS) #:** 21- 101-00125  
**Permit #:** F-19-001  
**Agency Interest (AI) ID:** 1831  
**Date:** 12/15/2023

**Section B.1: Process Information**

Emission Unit #	Emission Unit Name	Describe Emission Unit	Process ID	Process Name	Manufacturer	Model No.	Proposed/Actual Date of Construction Commencement (MM/YYYY)	Is the Process Continuous or Batch?	Number of Batches per 24 Hours (if applicable)	Hours per Batch (if applicable)
003-01	Two (2) Outdoor Silos	Two (2) Outdoor Silos	003-01	Bulk Material Silo			08/1997			

**Section B.2: Materials and Fuel Information**

*\*Maximum yearly fuel usage rate only applies if applicant request operating restrictions through federally enforceable limitations.*

Emission Unit #	Emission Unit Name	Name of Raw Materials Input	Maximum Quantity of Each Raw Material Input		Total Process Weight Rate for Emission Unit <i>(tons/hr)</i>	Name of Finished Materials	Maximum Quantity of Each Finished Material Output		Fuel Type	Maximum Hourly Fuel Usage Rate		Maximum Yearly Fuel Usage Rate		Sulfur Content (%)	Ash Content (%)
				<i>(Specify Units/hr)</i>				<i>(Specify Units/hr)</i>			<i>(Specify Units)</i>		<i>(Specify Units)</i>		
003-01	Two (2) Outdoor Silos	Plastic Resins	44000	lbs/silo					Electric	N/A	N/A	N/A	N/A	N/A	N/A

Section GG.6: Filter														
Control Device ID #	Identify all Emission Units and Control Devices that Feed to Filter	Identify Type of Filter Unit: Baghouse, Cartridge Collector, or Other (specify)	Identify Type of Filtering Material: Fabric, Paper, Synthetic, or Other (specify)	Total Filter Area (ft <sup>2</sup> )	Effective Air-to-Filter Ratio (acfm/ft <sup>2</sup> )	Continuous Monitoring Instrumentation (e.g. COMS, BLDS, none)	Additional Materials Introduced into the Control System (e.g. lime, carbon)		Identify Cleaning Method: Shaker, Pulse Air, Reverse Air, Pulse Jet, or Other (specify)	Identify Gas Cooling Method: Ductwork, Heat Exchanger, Bleed-in Air, Water Spray, or Other (specify)	For Ductwork:		For Bleed-in Air:	For Water Spray:
							Material	Injection Rate (lb/hr)			Length (ft)	Diameter (ft)	Flowrate (scfm @ 68°F)	Flowrate (gal/min)
1	K-01 Dump, Feed and Additive Stations	Baghouse	Oleophobic Polyester	485 FT SQ	3696 acfm/ 485 ft Sq = 7.6:1	Baghouse Pressure Monitor			Pulse Jet					
2	K-2 Dump, Feed and Additive Stations	Baghouse	Oleophobic Polyester	485 FT SQ	3696 acfm/ 485 ft Sq = 7.6:1	Baghouse Pressure Monitor			Pulse Jet					
3	K-03 Dump and Feed Stations	Baghouse	Oleophobic Polyester	485 FT SQ	3696 acfm/ 485 ft Sq = 7.6:1	Baghouse Pressure Monitor			Pulse Jet					

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

DEP7007N

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Information
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

\_\_\_ Complete DEP7007AI

Source Name: Miller Waste Mills DBA RTP Company  
 KY EIS (AFS) #: 21- 101-00125  
 Permit #: F-19-001  
 Agency Interest (AI) ID: 1831  
 Date: 12/15/2023

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential (tons/yr)	Controlled Potential (tons/yr)
Process Rm 1, Line 5		001-04	K-1 FCM Dump Station	Daycon polyester baghouse, with secondary baghouse	0003	0003	4	Particulates	16.400	Engineering Estimate	95.00%	99.90%	16.400	0.01640	71.832	0.072
		001-05	K-1 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
		001-06	K-1 FCM Additive Station	Daycon polyester baghouse, with secondary baghouse												
		001-04	K-1 FCM Dump Station	Daycon polyester baghouse, with secondary baghouse	0003	0003	4	Carbon Black	0.994	Engineering Estimate	95.00%	99.90%	0.994	0.00099	4.354	0.004
		001-05	K-1 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
		001-06	K-1 FCM Additive Station	Daycon polyester baghouse, with secondary baghouse												
Process Particulate Totals													17.394	0.017394	76.18572	0.07618572
		001-03	K-1 FCM	None	0003	0003	4	VOC	0.4412	Engineering Estimate			0.441	0.44120	1.932	1.932
		001-03	K-1 FCM	None	0003	0003	4	Total HAPs	0.2942	Engineering Estimate			0.294	0.29424	1.289	1.289

**Section N.2: Stack Information**

**UTM Zone:**

Stack ID	Identify all Emission Units (with Process ID) and Control Devices that Feed to Stack	Stack Physical Data			Stack UTM Coordinates		Stack Gas Stream Data		
		Equivalent Diameter (ft)	Height (ft)	Base Elevation (ft)	Northing (m)	Easting (m)	Flowrate (acfm)	Temperature (° F)	Exit Velocity (ft/sec)
1	K-01 Dump, Feed and Additive Stations	1.6	28				3696	80	30.64



<b>Section N.4: Notes, Comments, and Explanations</b>
PTE based on annual operating hours 8,760 hours/year.

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

DEP7007N

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Information
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

Complete DEP7007AI

Source Name: Miller Waste Mills DBA RTP Company  
 KY EIS (AFS) #: 21- 101-00125  
 Permit #: F-19-001  
 Agency Interest (AI) ID: 1831  
 Date: 12/15/2023

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential (tons/yr)	Controlled Potential (tons/yr)
Process Rm 1, Line K-2		001-04	K-2 FCM Dump Station	Daycon polyester baghouse, with secondary baghouse	0002	0002	1	Particulates	0.528	Engineering Estimate	95.00%	99.90%	0.528	0.00053	2.313	0.002
		001-05	K-2 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
		001-06	K-2 FCM Additive Station	Daycon polyester baghouse, with secondary baghouse												
		001-04	K-2 FCM Dump Station	Daycon polyester baghouse, with secondary baghouse	0002	0002	1	Carbon Black	6.800	Engineering Estimate	95.00%	99.90%	6.800	0.00680	29.784	0.030
		001-05	K-2 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
		001-06	K-2 FCM Additive Station	Daycon polyester baghouse, with secondary baghouse												
<b>Process Particulate Totals</b>													<b>7.328</b>	<b>0.007328</b>	<b>32.09664</b>	<b>0.03209664</b>
		001-03	K-2 FCM	None	0002	0002	1	VOC	0.6014	Engineering Estimate			0.601	0.601	2.634	2.634
		001-03	K-2 FCM	None	0002	0002	1	Total HAPs	0.4009	Engineering Estimate			0.401	0.401	1.756	1.756

**Section N.2: Stack Information**

**UTM Zone:**

Stack ID	Identify all Emission Units (with Process ID) and Control Devices that Feed to Stack	Stack Physical Data			Stack UTM Coordinates		Stack Gas Stream Data		
		Equivalent Diameter (ft)	Height (ft)	Base Elevation (ft)	Northing (m)	Easting (m)	Flowrate (acfm)	Temperature (°F)	Exit Velocity (ft/sec)
2	K-2 Dump, Feed and Additive Stations	1.6	28				3696	80	30.64

<b>Section N.4: Notes, Comments, and Explanations</b>
PTE based on annual operating hours 8,760 hours/year.

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

DEP7007N

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Information
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

Complete DEP7007AI

Source Name: Miller Waste Mills DBA RTP Company  
 KY EIS (AFS) #: 21-101-00125  
 Permit #: F-19-001  
 Agency Interest (AI) ID: 1831  
 Date: 12/15/2023

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential (tons/yr)	Controlled Potential (tons/yr)
Process Rm 1, Line K-3		001-01	K-3 FCM Dump Station	Daycon polyester baghouse, with secondary baghouse	0001	0001	0.5	Particulates	0.28	Engineering Estimate	0.95	0.999	0.28	0.00028	1.2264	0.0012264
		001-02	K-3 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
		001-01	K-3 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse	0001	0001	0.5	Carbon Black	3	Engineering Estimate	0.95	0.999	3	0.003	13.14	0.01314
		001-02	K-3 FCM Feed Station	Daycon polyester baghouse, with secondary baghouse												
<b>Ptprocess Particulate Totals</b>													<b>3.280</b>	<b>0.00328</b>	<b>14.3664</b>	<b>0.0143664</b>
		001-03	K-3 FCM	None	0001	0001	0.5	VOC	0.1660	Engineering Estimate	NA	NA	0.166	0.16600	0.727	0.727
		001-03	K-3 FCM	None	0001	0001	0.5	Total HAPs	0.1107	Engineering Estimate	NA	NA	0.111	0.11068	0.485	0.485

**Section N.2: Stack Information**

**UTM Zone:**

Stack ID	Identify all Emission Units (with Process ID) and Control Devices that Feed to Stack	Stack Physical Data			Stack UTM Coordinates		Stack Gas Stream Data		
		Equivalent Diameter <i>(ft)</i>	Height <i>(ft)</i>	Base Elevation <i>(ft)</i>	Northing <i>(m)</i>	Easting <i>(m)</i>	Flowrate <i>(acfm)</i>	Temperature <i>(° F)</i>	Exit Velocity <i>(ft/sec)</i>
3	K-03 Dump and Feed Stations	1.6	26				3696	80	30.64

<b>Section N.4: Notes, Comments, and Explanations</b>
PTE based on annual operating hours 8,760 hours/year.

Division for Air Quality

300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007N**

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Information
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

Complete DEP7007AI

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: 12/15/2023

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential (tons/yr)	Controlled Potential (tons/yr)
Process Rm 1, 001-12	Blending Silo 1	001-12	Blending Silo 1	None	NA	Internal	8000	PM	0.8	Engineering Estimate			3.2	NA	8.32	NA
Process Rm 1, 001-13	Blending Silo 2	001-12	Blending Silo 1	None	NA	Internal	8000	PM	0.8	Engineering Estimate			3.2	NA	8.32	NA



<b>Section N.4: Notes, Comments, and Explanations</b>
PTE calculated using a maximum of 5,200 operating hours per year.

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

**DEP7007N**

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Information
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

Complete DEP7007AI

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: \_\_\_\_\_

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential (tons/yr)	Controlled Potential (tons/yr)
Process Rm 1, 001-15	Finished Product Loading Station 1	001-15	Finished Product Loading Station 1	None	NA	Internal	8000	PM	0.8	Engineering Estimate			3.2	NA	9.32	NA
Process Rm 1, 001-16	Finished Product Loading Station 2	001-15	Finished Product Loading Station 1	None	NA	Internal	9000	PM	0.8	Engineering Estimate			3.2	NA	8.32	NA
Process Rm 1, 001-17	Finished Product Loading Station 3	001-15	Finished Product Loading Station 1	None	NA	Internal	8000	PM	0.8	Engineering Estimate			3.2	NA	8.32	NA

**Section N.4: Notes, Comments, and Explanations**

PTE calculated using a maximum of 5,200 operating hours per year.

Division for Air Quality

300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

**DEP7007N**

Source Emissions Profile

- Section N.1: Emission Summary
- Section N.2: Stack Information
- Section N.3: Fugitive Informatio
- Section N.4: Notes, Comments, and Explanations

Additional Documentation

Complete DEP7007AI

Source Name: Miller Waster Mills, Inc. DBA RTP CompanyRTP

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: \_\_\_\_\_

**N.1: Emission Summary**

Emission Unit #	Emission Unit Name	Process ID	Process Name	Control Device Name	Control Device ID	Stack ID	Maximum Design Capacity (SCC Units/hour)	Pollutant	Uncontrolled Emission Factor (lb/SCC Units)	Emission Factor Source (e.g. AP-42, Stack Test, Mass Balance)	Capture Efficiency (%)	Control Efficiency (%)	Hourly Emissions		Annual Emissions	
													Uncontrolled Potential (lb/hr)	Controlled Potential (lb/hr)	Uncontrolled Potential	Controlled Potential (tons/yr)
Process Room 2, 002-11	Marion Mixer	002-11	Marion Mixer	None	None	None	6 TPH	PM	0.8	EIIP Vol II Ch14	0.00%	0.00%	48 lb/hr	48 lb/hr	0.4 TPY	0.4 TPY
Process Room 2, 002-11	Marion Mixer	002-11	Marion Mixer	None	None	None	6 TPH	VOC	0.01	EIIP Vol II Ch14	0.00%	0.00%	0.06 lb/hr	0.06 lb/hr	0.005 TPY	0.005 TPY

**Section N.4: Notes, Comments, and Explanations**

This blender is used for mixing off-spec pellets. The maximum output is estimated to be 2 million pounds (1,000 tons).

Division for Air Quality  300 Sower Boulevard Frankfort, KY 40601 (502) 564-3999	<b>DEP7007V</b> <b>Applicable Requirements and Compliance Activities</b>  <input type="checkbox"/> Section V.1: Emission and Operating Limitation(s) <input type="checkbox"/> Section V.2: Monitoring Requirements <input type="checkbox"/> Section V.3: Recordkeeping Requirements <input type="checkbox"/> Section V.4: Reporting Requirements <input type="checkbox"/> Section V.5: Testing Requirements <input type="checkbox"/> Section V.6: Notes, Comments, and Explanations	<b>Additional Documentation</b>  ___ Complete DEP7007AI
--	---	---

**Source Name:** Miller Waste Mills DBA RTP Company

**KY EIS (AFS) #:** 21- 101-00125

**Permit #:** F-19-001

**Agency Interest (AI) ID:** 1831

**Date:** 12/15/2023

**Section V.1: Emission and Operating Limitation(s)**

Emission Unit #	Emission Unit Description	Applicable Regulation or Requirement	Pollutant	Emission Limit (if applicable)	Voluntary Emission Limit or Exemption (if applicable)	Operating Requirement or Limitation (if applicable)	Method of Determining Compliance with the Emission and Operating Requirement(s)
001	Process Room 2	Permit F-13-012 59.:010 63:020	Carbon Black PM VOCs HAPs	3.15 lbs/hr carbon black <90 tpy PM <90 tpyVOCs <9/22.5 tpy HAPs			Monthly Emissions Inventory Pressure Drop Readings on Control Units Semi-Annual Reporting Annual Compliance Certificaiton
002	Process Room 1	Permit F-13-012 59.:010 63:020	Carbon Black PM VOCs HAPs	3.15 lbs/hr carbon black <90 tpy PM <90 tpyVOCs <9/22.5 tpy HAPs			Monthly Emissions Inventory Pressure Drop Readings on Control Units Semi-Annual Reporting Annual Compliance Certificaiton
003	Quotdoor Silos	Permit F-13-012 59.:010	PM	<90 tpy PM			Monthly Emissions Inventory Pressure Drop Readings on Control Units Semi-Annual Reporting Annual Compliance Certificaiton

<b>Section V.3: Recordkeeping Requirements</b>					
<b>Emission Unit #</b>	<b>Emission Unit Description</b>	<b>Pollutant</b>	<b>Applicable Regulation or Requirement</b>	<b>Parameter Recorded</b>	<b>Description of Recordkeeping</b>
001	Process Room 2	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	Pressure Drop Production	Maintain written weekly log of pressure drop readings Maintain HAP and PM calculations
002	Process Room 1	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	Pressure Drop Production	Maintain written weekly log of pressure drop readings Maintain HAP and PM calculations
003	Outdoor Silos	PM	Permit F-13-012 59.:010	Pressure Drop Production	Maintain written weekly log of pressure drop readings Maintain HAP and PM calculations

<b>Section V.4: Reporting Requirements</b>					
<b>Emission Unit #</b>	<b>Emission Unit Description</b>	<b>Pollutant</b>	<b>Applicable Regulation or Requirement</b>	<b>Parameter Reported</b>	<b>Description of Reporting</b>
001	Process Room 2	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	Pressure Drop Production	Semi-Annual Reports of pressure drop readings and emission Calculations Annual Compliance Certification
002	Process Room 1	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	Pressure Drop Production	Semi-Annual Reports of pressure drop readings and emission Calculations Annual Compliance Certification
003	Outdoor Silos	PM	Permit F-13-012 59.:010 63:020	Pressure Drop Production	Semi-Annual Reports of pressure drop readings and emission Calculations Annual Compliance Certification



<b>Section V.5: Testing Requirements</b>					
<b>Emission Unit #</b>	<b>Emission Unit Description</b>	<b>Pollutant</b>	<b>Applicable Regulation or Requirement</b>	<b>Parameter Tested</b>	<b>Description of Testing</b>
001	Process Room 2	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	PM HAPs	Within 60 days of being requested by DAQ
002	Process Room 1	Carbon Black PM VOCs HAPs	Permit F-13-012 59.:010 63:020	PM HAPs	Within 60 days of being requested by DAQ
003	Outdoor Silos	PM	Permit F-13-012 59.:010	PM	Within 60 days of being requested by DAQ

Division for Air Quality  
 300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007DD**

**Insignificant Activities**

- Section DD.1: Table of Insignificant Activities
- Section DD.2: Signature Block
- Section DD.3: Notes, Comments, and Explanations

**Source Name:** Miller Waste Mills DBA RTP Company

**KY EIS (AFS) #:** 21- 101-00125

**Permit #:** F-19-001

**Agency Interest (AI) ID:** 1831

**Date:** 12/15/2023

**Section DD.1: Table of Insignificant Activities**

\*Identify each activity with a unique Insignificant Activity number (IA #); for example: 1, 2, 3... etc.

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
	Pneumatic Conveying System		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Cook Off Oven		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM, < 0.5 TPY HAPs
	55 lb. Bagger		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Resin Dumps		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Resin Feeds		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
	Central Vacuum Cleaner		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM

**Section DD.2: Signature Block**

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.

By:



Authorized Signature

12/22/2023

Date

Rich Sevic

Type/Print Name of Signatory

Reginal Production Manager

Title of Signatory

Division for Air Quality

300 Sower Boulevard  
 Frankfort, KY 40601  
 (502) 564-3999

**DEP7007AI**

Administrative Information

- Section AI.1: Source Information
- Section AI.2: Applicant Information
- Section AI.3: Owner Information
- Section AI.4: Type of Application
- Section AI.5: Other Required Information
- Section AI.6: Signature Block
- Section AI.7: Notes, Comments, and Explanations

Additional Documentation

Additional Documentation attached

Source Name: Miller Waste Mills DBA RTP Company

KY EIS (AFS) #: 21- 101-00125

Permit #: F-19-001

Agency Interest (AI) ID: 1831

Date: 12/15/2023

**Section AI.1: Source Information**

Physical Location	Street:	1450 Commonwealth Drive		
Address:	City:	Henderson	County:	Henderson
			Zip Code:	42420
Mailing Address:	Street or P.O. Box:	1450 Commonwealth Drive		
	City:	Henderson	State:	Henderson
			Zip Code:	42420

**Standard Coordinates for Source Physical Location**

Longitude: 37.81536 (decimal degrees)      Latitude: 87.59008 (decimal degrees)

Primary (NAICS) Category: Plastic Compounding      Primary NAICS #: 325991

<b>Classification (SIC) Category:</b> <u>Plastic Compounding</u>		<b>Primary SIC #:</b> <u>3087</u>	
<b>Briefly discuss the type of business conducted at this site:</b> RTP produces color concentrate plastic pellets with extruders from carbon black and various resins.			
<b>Description of Area Surrounding Source:</b> <input type="checkbox"/> Rural Area <input type="checkbox"/> Urban Area	<input checked="" type="checkbox"/> Industrial Park <input checked="" type="checkbox"/> Industrial Area	<input type="checkbox"/> Residential Area <input type="checkbox"/> Commercial Area	<b>Is any part of the source located on federal land?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Approximate distance to nearest residence or commercial property:</b> <u>460 feet</u>		<b>Property Area:</b> <u>13 acres</u>	<b>Number of Employees:</b> <span style="border: 1px solid black; padding: 2px 10px;">50</span>  <b>Is this source portable?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?</b>			
<b>NPDES/KPDES:</b> <input checked="" type="checkbox"/> Currently Hold <input type="checkbox"/> Need <input type="checkbox"/> N/A			
<b>Solid Waste:</b> <input type="checkbox"/> Currently Hold <input type="checkbox"/> Need <input checked="" type="checkbox"/> N/A			
<b>RCRA:</b> <input type="checkbox"/> Currently Hold <input type="checkbox"/> Need <input checked="" type="checkbox"/> N/A			
<b>UST:</b> <input type="checkbox"/> Currently Hold <input type="checkbox"/> Need <input checked="" type="checkbox"/> N/A			
<b>Type of Regulated Waste Activity:</b> <input type="checkbox"/> Mixed Waste Generator <input type="checkbox"/> U.S. Importer of Hazardous Waste		<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input type="checkbox"/> Recycler <input type="checkbox"/> Treatment/Storage/Disposal Facility <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Other: _____	

**Section A1.2: Applicant Information**

**Applicant Name:** Miller Waste Mills, DBA RTP Company

**Title: (if individual)** \_\_\_\_\_

**Mailing Address:** **Street or P.O. Box:** 580 E. Front Street, PO Box 5439  
**City:** Winona **State:** MN **Zip Code:** 55987

**Email: (if individual)** \_\_\_\_\_

**Phone:** 507-454-6900

**Technical Contact**

**Name:** Randy Nedrelo

**Title:** Corporate Environmental Manager

**Mailing Address:** **Street or P.O. Box:** 508 E. Front St.  
**City:** Winona **State:** MN **Zip Code:** 55987

**Email:** rnedrelo@rtpcompany.com

**Phone:** 507-474-5308

**Air Permit Contact for Source**

**Name:** Rich Sevic

**Title:** Manufacturing Manager

**Mailing Address:** **Street or P.O. Box:** 1450 Commonwealth Dr.  
**City:** Henderson **State:** KY **Zip Code:** 42420

**Email:** rsevic@rtpcompany.com

**Phone:** 270-869-9000

**Section AI.3: Owner Information**

**Owner same as applicant**

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Mailing Address:** **Street or P.O. Box:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**List names of owners and officers of the company who have an interest in the company of 5% or more.**

**Name**

**Position**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Section AI.4: Type of Application**

**Current Status:**       Title V    Conditional Major    State-Origin                       General Permit                       Registration                       None

**Requested Action:**       Name Change       Initial Registration       Significant Revision                       Administrative Permit Amendment  
*(check all that apply)*       Renewal Permit       Revised Registration       Minor Revision                       Initial Source-wide Operating Permit  
                                   502(b)(10)Change       Extension Request       Addition of New Facility                       Portable Plant Relocation Notice  
                                   Revision                       Off Permit Change       Landfill Alternate Compliance Submittal       Modification of Existing Facilities  
                                   Ownership Change       Closure

**Requested Status:**       Title V    Conditional Major       State-Origin       PSD       NSR                       Other: \_\_\_\_\_

**Is the source requesting a limitation of potential emissions?**                       Yes                       No

<p><b>Pollutant:</b>                      <b>Requested Limit:</b></p> <p><input checked="" type="checkbox"/> Particulate Matter                      90 TPY _____</p> <p><input type="checkbox"/> Volatile Organic Compounds (VOC)                      _____</p> <p><input type="checkbox"/> Carbon Monoxide                      _____</p> <p><input type="checkbox"/> Nitrogen Oxides                      _____</p> <p><input type="checkbox"/> Sulfur Dioxide                      _____</p> <p><input type="checkbox"/> Lead                      _____</p>	<p><b>Pollutant:</b>                      <b>Requested Limit:</b></p> <p><input type="checkbox"/> Single HAP                      _____</p> <p><input type="checkbox"/> Combined HAPs                      _____</p> <p><input type="checkbox"/> Air Toxics (40 CFR 68, Subpart F)                      _____</p> <p><input type="checkbox"/> Carbon Dioxide                      _____</p> <p><input type="checkbox"/> Greenhouse Gases (GHG)                      _____</p> <p><input type="checkbox"/> Other                      _____</p>
---	--

**For New Construction:**

**Proposed Start Date of Construction:**                      **Proposed Operation Start-Up Date:** (MM/YYYY)

(MM/YYYY)                      \_\_\_\_\_

**For Modifications:**

**Proposed Start Date of Modification:**                      **Proposed Operation Start-Up Date:** (MM/YYYY)

(MM/YYYY)                      \_\_\_\_\_

**Applicant is seeking coverage under a permit shield.**                       Yes                       No                      **Identify any non-applicable requirements for which permit shield is sought on a separate attachment to the application.**



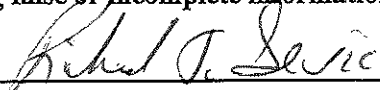
## Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

- |  |  |
|--|--|
| <input type="checkbox"/> DEP7007A Indirect Heat Exchangers and Turbines                    | <input type="checkbox"/> DEP7007CC Compliance Certification                        |
| <input checked="" type="checkbox"/> DEP7007B Manufacturing or Processing Operations        | <input checked="" type="checkbox"/> DEP7007DD Insignificant Activities             |
| <input type="checkbox"/> DEP7007C Incinerators and Waste Burners                           | <input type="checkbox"/> DEP7007EE Internal Combustion Engines                     |
| <input type="checkbox"/> DEP7007F Episode Standby Plan                                     | <input type="checkbox"/> DEP7007FF Secondary Aluminum Processing                   |
| <input type="checkbox"/> DEP7007J Volatile Liquid Storage                                  | <input type="checkbox"/> DEP7007GG Control Equipment                               |
| <input type="checkbox"/> DEP7007K Surface Coating or Printing Operations                   | <input type="checkbox"/> DEP7007HH Haul Roads                                      |
| <input type="checkbox"/> DEP7007L Mineral Processes  | <input type="checkbox"/> Confidentiality Claim                                     |
| <input type="checkbox"/> DEP7007M Metal Cleaning Degreasers                                | <input type="checkbox"/> Ownership Change Form                                     |
| <input checked="" type="checkbox"/> DEP7007N Source Emissions Profile                      | <input type="checkbox"/> Secretary of State Certificate                            |
| <input type="checkbox"/> DEP7007P Perchloroethylene Dry Cleaning Systems                   | <input type="checkbox"/> Flowcharts or diagrams depicting process                  |
| <input type="checkbox"/> DEP7007R Emission Offset Credit                                   | <input type="checkbox"/> Digital Line Graphs (DLG) files of buildings, roads, etc. |
| <input type="checkbox"/> DEP7007S Service Stations   | <input type="checkbox"/> Site Map  |
| <input type="checkbox"/> DEP7007T Metal Plating and Surface Treatment Operations           | <input type="checkbox"/> Map or drawing depicting location of facility             |
| <input type="checkbox"/> DEP7007V Applicable Requirements and Compliance Activities        | <input type="checkbox"/> Safety Data Sheet (SDS)                                   |
| <input type="checkbox"/> DEP7007Y Good Engineering Practice and Stack Height Determination | <input type="checkbox"/> Emergency Response Plan                                   |
| <input type="checkbox"/> DEP7007AA Compliance Schedule for Non-complying Emission Units    | <input type="checkbox"/> Other: _____  |
| <input type="checkbox"/> DEP7007BB Certified Progress Report                               |  |

## Section AI.6: Signature Block

I, the undersigned, hereby certify under penalty of law, that I am a responsible official\*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.

  
 \_\_\_\_\_  
 Authorized Signature

2/22/2023  
 \_\_\_\_\_  
 Date

Richard Sevic  
 \_\_\_\_\_  
 Type or Printed Name of Signatory

Manufacturing Manager  
 \_\_\_\_\_  
 Title of Signatory

\*Responsible official as defined by 401 KAR 52:001.

<b>Section AI.7: Notes, Comments, and Explanations</b>

Division for Air Quality  
300 Sower Boulevard  
Frankfort, KY 40601  
(502) 564-3999

**DEP7007DD****Insignificant Activities**

- Section DD.1: Table of Insignificant Activities  
 Section DD.2: Signature Block  
 Section DD.3: Notes, Comments, and Explanations

**Source Name:** Miller Waste Mills DBA RTP Company

**KY EIS (AFS) #:** 21- 101-00125

**Permit #:** F-19-001

**Agency Interest (AI) ID:** 1831

**Date:** 12/15/2023

**Section DD.1: Table of Insignificant Activities**

\*Identify each activity with a unique Insignificant Activity number (IA #); for example: 1, 2, 3... etc.

Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
	Pneumatic Conveying System		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Cook Off Oven		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM, < 0.5 TPY HAPs
	55 lb. Bagger		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Resin Dumps		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM
	Resin Feeds		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM

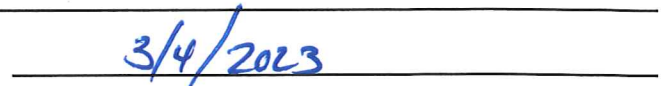
Insignificant Activity #	Description of Activity including Rated Capacity	Serial Number or Other Unique Identifier	Applicable Regulation(s)	Calculated Emissions
	Central Vacuum Cleaner		401 KAR 59:010, 401 KAR 52:020	< 5 TPY PM

**Section DD.2: Signature Block**

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.



Authorized Signature



Date

By:

Rich Sevic

Reginal Production Manager

Type/Print Name of Signatory

Title of Signatory





**Re: AI 1831 Renewal Questions & Insignificant Activities**

---

**From** Luma, Johnson (EEC) <johnson.luma@ky.gov>

**Date** Thu 2/27/2025 5:24 PM

**To** Andrew Grigg <agrigg@rtpcompany.com>

This helps a lot!

Will update the calculations as much as I can this afternoon. The Supervisor wants to start reviewing the permit tomorrow so we can send you guys at least a courtesy copy soon.

Thanks,

**Johnson Luma**

Environmental Engineer Technologist II  
Kentucky Department for Environmental Protection  
Division for Air Quality  
Permit Review Branch  
Chemical Section

*300 Sower Blvd., 2<sup>nd</sup> Floor*

*Frankfort, KY 40601*

Johnson.Luma@ky.gov

(502)-782-1751

---

**From:** Andrew Grigg <agrigg@rtpcompany.com>

**Sent:** Thursday, February 27, 2025 5:14 PM

**To:** Luma, Johnson (EEC) <johnson.luma@ky.gov>

**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

---

**This Message Originated from Outside the Organization**

This Message Is From an External Sender.

Report Suspicious

Johnson,

I have got a good start on these. Please see the attached document. The answers to your questions are in red. I just wanted to get what I could to you right away. I will work more on this. Let me know if you have any questions.

Thank you

Andrew Grigg  
Senior Environmental Specialist  
RTP Company  
580 East Front Street

Winona, MN 55987  
[www.rtpcompany.com](http://www.rtpcompany.com)  
Direct # 507-474-5438  
Cell # 507-470-6215  
agrigg@rtpcompany.com



---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Sent:** Wednesday, February 26, 2025 2:42 PM  
**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

No problem

Thanks,  
**Johnson Luma**  
Environmental Engineer Technologist II  
Kentucky Department for Environmental Protection  
Division for Air Quality  
Permit Review Branch  
Chemical Section  
*300 Sower Blvd., 2<sup>nd</sup> Floor*  
*Frankfort, KY 40601*  
[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)  
(502)-782-1751

---

**From:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Sent:** Wednesday, February 26, 2025 3:40 PM  
**To:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

Johnson,

This is very helpful. I am working on filling out what I know and I will send the few questions I don't know to my colleagues in Henderson. I will also address the importance of them getting this information back to me. Thank you so much for helping me with this. It is difficult not being on site to be able to get all the answers I need.

Thank you

Andrew Grigg  
Senior Environmental Specialist  
RTP Company



580 East Front Street  
Winona, MN 55987  
[www.rtpcompany.com](http://www.rtpcompany.com)  
Direct # 507-474-5438  
Cell # 507-470-6215  
[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)



---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Sent:** Tuesday, February 25, 2025 5:28 PM  
**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Subject:** Fw: AI 1831 Renewal Questions & Insignificant Activities

Good afternoon Andrew,  
I hope all is going well. I had sent the previous message twice as it seems it had some embedded format issue from my end. Please let me know if you were not able to view it.

And maybe if I phrase things as I do below, it could help some more:

1) For the Resin Dumps and Resin Feeds:

Could you let me know if the process is similar to the K-03 Feed Station and K-03 Dump Station? You did mention that they also go to the Baghouse! Is that the same Baghouse (99.9% control efficiency) as the K-03 Dump & K-03 Feed Station?

On page 2/18 from the most recently issued permit (F-19-001 R2), for Emission Points 001-01 and 0001-002 (the K-03 Dump Station and K-03 Feed Station), we see maximum capacities of 1000 lbs/hour respectively with a note that says Carbon Black and PM = PM<sub>10</sub>, and construction Date = August 1997, and another note detailing the Control Equipment.

**Please provide something similar for the Resin Dumps and Resin Feeds, as well as share how many hours per year the Resin Dumps and Resin Feeds operate. Provide the same info for all of the remaining insignificant activities.**

Please also share a short description (just 2-5 sentences) of what the Resin Dumps and Resin Feeds do for your facility and how does that compare with the K-03 Feed Station and K-03 Dump Station (This will help me see if I should derive emission factors the same way as well as give me an indication if there is Carbon Black being emitted - if you have not yet found the answer to that).

Also provide descriptions for the Remaining Insignificant activities as far as what their role is for your facility and what material or product goes into and out of them.

2) For the Central Vacuum System:

From the examples that I see in the past from various facilities, most vacuum systems have the same pollutants that are generally emitted by other facility equipment (so here it would be Particulate Matter as well as Carbon Black (but you can specify)), and the vacuum systems also go to the Fabric Filter/Baghouse with the same Control Efficiencies as other equipment. The capacities are also generally in tons/hr or lbs/hr. I'm not sure how different your vacuum system is, but definitely describe its role for your facility and what it is processing, as well as provide annual operating hours and estimated capacity or design rate. Emission Factors will generally be derived similarly to the other predominant and general

equipment employed within the facility, so if you can give me all the other info, I will see what needs to be done.

3) For the Pneumatic Conveying System:

Please provide the description and the role of this System in your facility. You mentioned that is also goes to the Baghouse, so the 99.9% Control Efficiency can be applied. From what I see online as far as definition, I would assume that the Pneumatic Conveying System is moving the material to their designated locations. If it is the raw material, I think it would also have Carbon Black, and Emission Factors for PM and Carbon Black can be derived similarly as the other predominant equipment in your facility. If there is one specific equipment in the permit that the Conveying System is closest to, you can let me know what that equipment is.

If it is significant part of your process, I believe 8760 hours/year can be estimated for annual operation. So I would just need the process rate or capacity in lbs/hr or tons/hr.

4.) For the Cookoff Oven:

What is this oven used for?

What is the material that is being cooked off?

Besides the natural gas being burned, is anything emitted from the actual material that is being cooked off?

What is the Cook Off Oven's design rate or capacity in BTU/hr?

Does it operate continuously (8760 hours/year)? If not provide an estimate of how many hours per year it operates.

5.) Please provide all other requested info that is outstanding from the initial set of questions if not covered above, and specify which baghouse (Baghouse 1 or Baghouse 2) is being used for each Insignificant Activity.

Please share this with appropriate members of your team so we can finish this permit this week.

Thanks,  
Johnson

---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>

**Sent:** Friday, February 21, 2025 6:19 PM

**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

Hi Andrew,

Thanks for getting back to me.

I will remove the 55lb bagger from the permit.

For the Cook Off Oven, I do see the document you provided with the emission factors, and I can this calculate emissions as a unit that burns natural gas.

Could you also inform me of what is being Cooked off?

So the remaining items requested read as follow, and I am inputting some commentary in red:

A) The  
design/process  
rates for each  
activity, along  
with estimated  
hours of

operation per year (8760 hours is usually our assumption but you can clarify if needed)

By the design/process rate, this can also mean throughput of material processed or produced in the emission unit, or just the maximum capacity at which the equipment can operate. This can be tons/year or lbs/hr or something else. If you do not have those, but have manufacturer data, or model no., you are welcome to share those and I can take a look.

**B) Calculation Methods to obtain pollutant emission.**

If you provide the design/process rates (aka throughputs or capacity), as well as hours of operation for the 5 insignificant emission units,

we can derive emission factors.

Let me know which of the 5 insignificant emission units are controlled by the baghouse? And let me know if there are any control efficiencies for the baghouse and filters you mentioned in your last email.

C) What Percentage of the Particulate Matter is PM10 and PM2.5, out of the max 4.999 tpy Total PM (assumed based on 5 tpy maximum reported).

All particulate matter from the DEP7007DD form is assumed to be total\_Part particulate Matter. Just provide a quick breakdown of how much of that is PM\_10 or PM\_2.5 for each emission unit.

D) Does only the Cook Off Oven emit HAPS? Which HAPS are assumed to be emitted? (You can share Safety Data Sheet if needed.)

Thanks for letting me know this unit combusts natural gas. The next thing to clarify is the material that is being cooked off and whether your facility estimates that pollutant emissions are produced from the cook off process (from that material) and letting me know which pollutants and provide some emission estimates.

E) Is any Carbon Black emitted through the Insignificant Activities?

You or your consultant or design/process engineer would probably have the answer to this question. If so, would appreciate an estimate in tons/year.

Thanks,  
**Johnson Luma**  
Environmental Engineer Technologist II  
Kentucky Department for Environmental Protection  
Division for Air Quality  
Permit Review Branch  
Chemical Section  
*300 Sower Blvd., 2<sup>nd</sup> Floor*

Frankfort, KY 40601  
[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)  
(502)-782-1751

---

**From:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Sent:** Thursday, February 20, 2025 3:31 PM  
**To:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

**\*\*CAUTION\*\* PDF attachments may contain links to malicious sites. Please contact the COT Service Desk [ServiceCorrespondence@ky.gov](mailto:ServiceCorrespondence@ky.gov) for any assistance.**

---

**This Message Originated from Outside the Organization**

This Message Is From an External Sender.

Johnson,

[Report Suspicious](#)

I have attached a calculation I did for the cook off oven. It runs on natural gas I was able to use a calculation through the State of Minnesota to figure out the emissions on this. I talked with the plant manager and the 55 lb bagger is no longer located at that facility.

I have been struggling to find factors for the systems. (Pneumatic Conveying system, Resin Dumps, Resin Feeds, and Central Vac System) The pneumatic convey, resin dumps, and resin feeds do go to the baghouse. The central vac system does have filters as well. If you could send me some examples that would be very helpful.

Please let me know if you have any questions.

Thank You

Andrew Grigg  
Senior Environmental Specialist  
RTP Company  
580 East Front Street  
Winona, MN 55987  
[www.rtpcompany.com](http://www.rtpcompany.com)  
Direct # 507-474-5438  
Cell # 507-470-6215  
[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)



---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>

**Sent:** Thursday, February 20, 2025 10:07 AM

**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Cc:** Richard Sevic <[rsevic@rtpcompany.com](mailto:rsevic@rtpcompany.com)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>; Randy Nedrelo <[rnedrelo@rtpcompany.com](mailto:rnedrelo@rtpcompany.com)>; Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>; Ross, Dakota D (EEC) <[dakota.ross@ky.gov](mailto:dakota.ross@ky.gov)>

**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

Good morning,

Please remember to send the requested info this week.

If you have any questions or need any clarification or examples, just let me know.

Thanks,

**Johnson Luma**

Environmental Engineer Technologist II

Kentucky Department for Environmental Protection

Division for Air Quality

Permit Review Branch

Chemical Section

300 Sower Blvd., 2<sup>nd</sup> Floor

Frankfort, KY 40601

[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)

(502)-782-1751

---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>

**Sent:** Wednesday, February 5, 2025 10:35 AM

**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Cc:** Richard Sevic <[rsevic@rtpcompany.com](mailto:rsevic@rtpcompany.com)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>; Randy Nedrelo <[rnedrelo@rtpcompany.com](mailto:rnedrelo@rtpcompany.com)>; Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>

**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

Yes that's fine!

Safe travels!

Thanks,

**Johnson Luma**

Environmental Engineer Technologist II

Kentucky Department for Environmental Protection

Division for Air Quality

Permit Review Branch

Chemical Section

300 Sower Blvd., 2<sup>nd</sup> Floor

Frankfort, KY 40601

[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)

(502)-782-1751

---

**From:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Sent:** Wednesday, February 5, 2025 10:27 AM

**To:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>; Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>

**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co) <[rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>

**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

Johnson,

I am currently not in my office this week. I am visiting one of our other locations. Is it possible for me to get this too you next week as information I have concerning this is back in my office in Minnesota.

Thank You

Andrew Grigg  
Senior Environmental Specialist  
RTP Company  
580 East Front Street  
Winona, MN 55987  
[www.rtpcompany.com](http://www.rtpcompany.com)  
Direct # 507-474-5438  
Cell # 507-470-6215  
[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)



---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>

**Sent:** Monday, February 3, 2025 10:11 AM

**To:** Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>; Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co); Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>

**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

Some people who received this message don't often get email from [johnson.luma@ky.gov](mailto:johnson.luma@ky.gov). [Learn why this is important](#)

Good morning,

We are trying to wrap up this permit this week and get it reviewed and signed.

We are still waiting for answers to the following questions:

2.) *I have to start tracking the Insignificant Activities as well as their potential annual pollutant emissions for the Kentucky Emissions Inventory System (KYEIS).*



*I see the DEP7077DD form has a list of six Insignificant Activities with PM being the predominant pollutant emitted from each activity.*

*Could you provide a short write-up of the following:*

*A) The design/process rates for each activity, along with estimated hours of operation per year (8760 hours is usually our assumption but you can clarify if needed)*

*B) Calculation Methods to obtain pollutant emission.*

*C) What Percentage of the Particulate Matter is PM10 and PM2.5, out of the max 4.999 tpy Total PM (assumed based on 5 tpy maximum reported).*

*D) Does only the Cook Off Oven emit HAPS? Which HAPS are assumed to be emitted? (You can share Safety Data Sheet if needed.)*

*E) Is any Carbon Black emitted through the Insignificant Activities?*

Hope to hear back from you this week, but please let me know how I can help!

You can reach me by email, phone, or set up a Team's/Webex/Zoom call with me to go through any questions or get any clarification. My job is to make sure things are done as accurately and efficiently as possible, so no problem.

Thanks,

**Johnson Luma**

Environmental Engineer Technologist II  
Kentucky Department for Environmental Protection  
Division for Air Quality  
Permit Review Branch  
Chemical Section  
300 Sower Blvd., 2<sup>nd</sup> Floor  
Frankfort, KY 40601  
[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)  
(502)-782-1751

---

**From:** Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>

**Sent:** Wednesday, January 15, 2025 4:58 PM

**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>

**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co) <[rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>; Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>

**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

Good afternoon:

Thank you for getting part of the information on the queries sent by Johnson on December 19, 2024. With regards to the insignificant activities, if they are available now, you could send it via email. If sending through the eportal, please provide the submittal ID so that we can follow up with the information as soon as it is received.

Thank you,

*Durga Patil*

Environmental Scientist Consultant  
Permit Review Branch  
Department for Environmental Protection  
Division for Air Quality

300 Sower Blvd  
Frankfort, KY 40601  
Phone: (502)- 782-6730

---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Sent:** Monday, January 6, 2025 2:46 PM  
**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co); Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>  
**Subject:** Re: AI 1831 Renewal Questions & Insignificant Activities

Got it!  
Thanks!

---

**From:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>  
**Sent:** Monday, January 6, 2025 2:22 PM  
**To:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co) <[rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co)>; Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>; Nicole Danfield <[ndanfield@rtpcompany.com](mailto:ndanfield@rtpcompany.com)>; Kylee C. Hall <[khall@rtpcompany.com](mailto:khall@rtpcompany.com)>  
**Subject:** RE: AI 1831 Renewal Questions & Insignificant Activities

---

**This Message Originated from Outside the Organization**

You have not previously corresponded with this sender.

Johnson,

[Report Suspicious](#)

I wanted to get you the information for the top part of the questions you had. I have provided them below in red. The second part about the insignificant activities I am still waiting on some information to be sent to me from Henderson as I am located at our corporate office in Winona, MN. I will get that information to you as soon as possible.

Thank You

Andrew Grigg  
Senior Environmental Specialist  
RTP Company  
580 East Front Street  
Winona, MN 55987  
[www.rtpcompany.com](http://www.rtpcompany.com)  
Direct # 507-474-5438  
Cell # 507-470-6215  
[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)



---

**From:** Luma, Johnson (EEC) <[johnson.luma@ky.gov](mailto:johnson.luma@ky.gov)>  
**Sent:** Thursday, December 19, 2024 5:10 PM  
**To:** Andrew Grigg <[agrigg@rtpcompany.com](mailto:agrigg@rtpcompany.com)>; Randy Nedrelo <[rnedrelo@rtpcompany.com](mailto:rnedrelo@rtpcompany.com)>  
**Cc:** [rsevic@rtpcompany.co](mailto:rsevic@rtpcompany.co); Patil, Durga D (EEC) <[Durga.Patil@ky.gov](mailto:Durga.Patil@ky.gov)>  
**Subject:** AI 1831 Renewal Questions & Insignificant Activities

Some people who received this message don't often get email from [johnson.luma@ky.gov](mailto:johnson.luma@ky.gov). [Learn why this is important](#)

Good afternoon Andrew & Randy,

I am working on the Miller Waste Mills, DBA RTP Company's Permit Renewal and had a few questions.

1.) Besides the removal of the Schick Loading Hopper (001-14), is there anything else that I should change for this Renewal Permit? **NO**

A.) Are any Processing Rates or Design Rates changing for any equipment? **No there are no changes.**

B.) A statement in the opening letter mentions that there are currently "three Finished Product Load Stations". Is that just to say there are "three process rooms" or "Groups" as seen on the permit? No change is needed by the aforementioned statement? **Yes there are three groups.**

2.) I have to start tracking the Insignificant Activities as well as their potential annual pollutant emissions for the Kentucky Emissions Inventory System (KYEIS).

I see the DEP7077DD form has a list of six Insignificant Activities with PM being the predominant pollutant emitted from each activity.

Could you provide a short write-up of the following:

- A) The design/process rates for each activity, along with estimated hours of operation per year (8760 hours is usually our assumption but you can clarify if needed)
- B) Calculation Methods to obtain pollutant emission.
- C) What Percentage of the Particulate Matter is PM10 and PM2.5, out of the max 4.999 tpy Total PM (assumed based on 5 tpy maximum reported).
- D) Does only the Cook Off Oven emit HAPS? Which HAPS are assumed to be emitted? (You can share Safety Data Sheet if needed.)
- E) Is any Carbon Black emitted through the Insignificant Activities?

Thanks,

**Johnson Luma**

Environmental Engineer Technologist I  
Kentucky Department for Environmental Protection  
Division for Air Quality  
Permit Review Branch  
Chemical Section  
300 Sower Blvd., 2<sup>nd</sup> Floor

Frankfort, KY 40601

[Johnson.Luma@ky.gov](mailto:Johnson.Luma@ky.gov)

(502)-782-1751

**Air emissions from burning natural gas**

**Natural gas combustion (less than 100 million Btu per hour)**

If you have a boiler with a rating of more than 100 million Btu per hour, different emission factors must be used (see EPA AP-42 Chapter 1.4).

What is the total maximum rated heat input for your natural gas units?  Btu per hour (Check your units)  
 In the previous 12 months, how many  cubic feet of natural gas were burned?  cu ft/year  
(you can use your gas bill)

**Natural gas potential and actual emissions**

Pollutant	a GWP <sup>1</sup>	b	c	d	e	Potential Emissions (ton/yr) (b * d * e) / 2000	Actual Emissions (tons/yr) (c * e) / 2000	Insignificant Activity <sup>3</sup> Limits (tons/yr)
		Maximum hourly usage (cu ft/hr) (Btu/hr) / (1020 Btu/cuft)	Actual natural gas burned (cu ft/yr)	Hours in a Year (hr/yr) 24 hr/day * 365 day/yr	Emission Factor (lbs/cu ft) by pollutant			
<b>Criteria Air Pollutants</b> <span style="float: right;"><a href="#">Source: EPA AP-42 Chapter 1.4</a></span>								
PM			8790.00	8760	0.0000076	0.03	0.00	1.0
PM10					0.0000076	0.03	0.00	1.0
PM2.5					0.0000076	0.03	0.00	
SOx					0.0000006	0.00	0.00	1.0
NOx					0.0001	0.43	0.00	1.0
VOC					0.0000055	0.02	0.00	1.0
CO					0.000084	0.36	0.00	2.0
Lead					0.0000000005	0.00	0.00	
<b>Greenhouse Gas Emissions</b>								
CO <sub>2</sub> <sup>2</sup>	1				0.120	515.37	0.53	
CH <sub>4</sub> <sup>2</sup>	25				0.00000226	0.01	0.00	
N <sub>2</sub> O <sup>2</sup>	298				0.00000023	0.00	0.00	
GHG Total (CO <sub>2</sub> e) <sup>2</sup>						515.91	0.53	1000
<b>Hazardous Air Pollutants</b> <span style="float: right;"><a href="#">Source: EPA AP-42 Chapter 1.4</a></span>								
Benzene					0.0000000021	0.0000	0.0000	
Formaldehyde					0.000000075	0.0003	0.0000	
Hexane					0.0000018	0.0077	0.0000	
Naphthalene					0.0000000061	0.0000	0.0000	
Toluene					0.0000000034	0.0000	0.0000	
Arsenic					0.0000000020	0.0000	0.0000	
Beryllium					0.00000000012	0.0000	0.0000	
Cadmium					0.0000000011	0.0000	0.0000	
Chromium					0.0000000014	0.0000	0.0000	
Cobalt					0.00000000084	0.0000	0.0000	
Manganese					0.00000000038	0.0000	0.0000	
Mercury					0.00000000026	0.0000	0.0000	
Nickel					0.0000000021	0.0000	0.0000	
Selenium					0.00000000024	0.0000	0.0000	
HAP total						0.0081	0.0000	

<sup>1</sup> Global Warming Potential from 40 CFR Part 98, Subpart A, Table A-1

<sup>2</sup> CO<sub>2</sub>e = carbon dioxide equivalents

<sup>3</sup> See insignificant activities at Minn. R. 7007.1300 and on the 'Permits & Requirements' tab.

[Minn. R. 7007.1300](#)

Good afternoon Andrew,

I hope all is going well. I had sent the previous message twice as it seems it had some embedded format issue from my end. Please let me know if you were not able to view it.

And maybe if I phrase things as I do below, it could help some more:

1) For the Resin Dumps and Resin Feeds:

Could you let me know if the process is similar to the K-03 Feed Station and K-03 Dump Station? **Yes, this is similar to that process**

You did mention that they also go to the Baghouse! Is that the same Baghouse (99.9% control efficiency) as the K-03 Dump & K-03 Feed Station? **Yes, they are connected to that baghouse.**

On page 2/18 from the most recently issued permit (F-19-001 R2), for Emission Points 001-01 and 0001-002 (the K-03 Dump Station and K-03 Feed Station), we see maximum capacities of 1000 lbs/hour respectively with a note that says Carbon Black and PM = PM<sub>10</sub>, and construction Date = August 1997, and another note detailing the Control Equipment.

**Please provide something similar for the Resin Dumps and Resin Feeds, as well as share how many hours per year the Resin Dumps and Resin Feeds operate. Provide the same info for all of the remaining insignificant activities.**

Please also share a short description (just 2-5 sentences) of what the Resin Dumps and Resin Feeds do for your facility and how does that compare with the K-03 Feed Station and K-03 Dump Station (This will help me see if I should derive emission factors the same way as well as give me an indication if there is Carbon Black being emitted - if you have not yet found the answer to that). **All of the resin dump stations are the same, meaning in comparison to K-03 Feed Station and K-03 Dump Station.**

Also provide descriptions for the Remaining Insignificant activities as far as what their role is for your facility and what material or product goes into and out of them.

2) For the Central Vacuum System:

- 1) From the examples that I see in the past from various facilities, most vacuum systems have the same pollutants that are generally emitted by other facility equipment (so here it would be Particulate Matter as well as Carbon Black (but you can specify)), and the vacuum systems also go to the Fabric Filter/Baghouse with the same Control Efficiencies as other equipment. The capacities are also generally in tons/hr or lbs/hr. I'm not sure how different your vacuum system is, but definitely describe its role for your facility and what it is processing, as well as provide annual operating hours and estimated capacity or design rate. Emission Factors will generally be derived similarly to the other predominant and general equipment employed within the facility, so if you can give me all the other info, I will see what needs to be done. **The central vac system is only used when needed. Material is vacuumed up from an area and dumped in a vessel that is then opened up to discharge into a trash container.**

3) For the Pneumatic Conveying System:

Please provide the description and the role of this System in your facility. You mentioned that it also goes to the Baghouse, so the 99.9% Control Efficiency can be applied. From what I see online as far as definition, I would assume that the Pneumatic Conveying System is moving the material to their designated locations. If it is the raw material, I think it would also have Carbon Black, and Emission Factors for PM and Carbon Black can be derived similarly as the other predominant equipment in your facility. If there is one specific equipment in the permit that the Conveying System is closest to, you can let me know what that equipment is. If it is significant part of your process, I believe 8760 hours/year can be estimated for annual operation. **Yes this is a significant part of the process, The system does transfer resin and carbon black**

So I would just need the process rate or capacity in lbs/hr or tons/hr. **Anywhere from 500 lbs/hr to 2000 lbs/hr**

4.) For the Cookoff Oven:

What is this oven used for? **To Cook off resin that has cooled and hardened on the screws of the equipment.**

What is the material that is being cooked off? **Hardened plastic resin**

Besides the natural gas being burned, is anything emitted from the actual material that is being cooked off? **I assume the plastic that is on the screws emits some. I am not sure how to quantify this though as each use of the oven would be different. There would be no set amount on each screw.**

What is the Cook Off Oven's design rate or capacity in BTU/hr? **240,000 Max BTU/hr 50,000 Min BTU/hr**

Does it operate continuously (8760 hours/year)? If not provide an estimate of how many hours per year it operates. **The cook off oven is run approximately 12 hrs per day.**

5.) Please provide all other requested info that is outstanding from the initial set of questions if not covered above, and specify which baghouse (Baghouse 1 or Baghouse 2) is being used for each Insignificant Activity. **Resin dumps and Feeds for line K-01 go to the Donaldson Torit baghouse, Resin dump and Feeds for K-02 and K-03 go to the Dacron baghouse.**

Please share this with appropriate members of your team so we can finish this permit this week.

Thanks,  
Johnson

---