



February 22, 2021

Kentucky Division for Air Quality
300 Sower Blvd. , 2nd Floor
Frankfort, KY 40601
Attn: Shauna Switzer / Permit Support Supervisor

Ref: Facility ID # 21-10100115
AI ID# 1836
Permit # F-16-016R1
Teknor Apex Company – TCC & TPE

Dear Ms. Switzer,

Please find enclosed the "Administrative Information" form DEP7007 AI. This letter and the DEP7007 AI form will serve as notice that there have been no changes to the existing air permit referenced above.

Please except this submission as the permit renewal for the above referenced source.

If you need any additional information, please contact me at 731-519-1304 or at sparis@teknorapex.com.

Sincerely,

A handwritten signature in black ink that reads "Susan Paris". The signature is fluid and cursive, with the first name being more prominent.

Susan Paris
Senior EHS Manager

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: Teknor Apex Compnay - TCC & TPE

KY EIS (AFS) #: 21-10100115

Permit #: F-16-016RI

Agency Interest (AI) ID: 1836

Date: 2/22/2021

Section AI.1: Source Information

Physical Location Street: 3058 Ohio Drive
Address: City: Henderson County: Henderson Zip Code: 42420

Mailing Address: Street or P.O. Box: 3058 Ohio Drive
City: Henderson State: KY Zip Code: 42420

Standard Coordinates for Source Physical Location

Longitude: 87.64166667 (decimal degrees) Latitude: 37.80444444 (decimal degrees)

Primary (NAICS) Category: Custom Compounding of purchased resins Primary NAICS #: 325991

Classification (SIC) Category: Custom compounding of purchased resins Primary SIC #: 3087

Briefly discuss the type of business conducted at this site:

Custom compounding of thermoplastic polymer (TPP) pellets, color concentrate pellets and color concentrates dry blends

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

Number of Employees: 75

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

Approximate distance to nearest residence or commercial property: 200 yards

Property Area: 16 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

Section A1.2: Applicant Information

Applicant Name: Bill Oeth
Title: (if individual) Director of Manufacturing
Mailing Address: Street or P.O. Box: 3058 Ohio Drive
City: Henderson State: KY Zip Code: 42420
Email: (if individual) boeth@teknorapex.com
Phone: 270-827-5571

Technical Contact

Name: Susan Paris
Title: Sr. Environmental Manager
Mailing Address: Street or P.O. Box: 751 North Dupree Street
City: Brownsville State: TN Zip Code: 38012
Email: sparis@teknorapex.com
Phone: 731-519-1304

Air Permit Contact for Source

Name: Susan Paris
Title: Sr. Environmental Manager
Mailing Address: Street or P.O. Box: 751 North Dupree Street
City: Brownsville State: TN Zip Code: 38012
Email: sparis@teknorapex.com
Phone: 731-519-1304

Section A1.3: 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
Jonathan Fain	Owner of Teknor Apex
_____	_____
_____	_____
_____	_____

Section A1.4: Type of Application

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

Name Change Initial Registration Significant Revision Administrative Permit Amendment

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?

Pollutant:		Yes	X	No	Requested Limit:
<input type="checkbox"/> Particulate Matter	_____				_____
<input type="checkbox"/> Volatile Organic Compounds (VOC)	_____				_____
<input type="checkbox"/> Carbon Monoxide	_____				_____
<input type="checkbox"/> Nitrogen Oxides	_____				_____
<input type="checkbox"/> Sulfur Dioxide	_____				_____
<input type="checkbox"/> Lead	_____				_____

For New Construction:

Proposed Start Date of Construction: (MM/YYYY) _____

Proposed Operation Start-Up Date: (MM/YYYY) _____

For Modifications:

Proposed Start Date of Modification: (MM/YYYY) _____

Proposed Operation Start-Up Date: (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 A1.5 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 type="checkbox"/> DEP7007B Manufacturing or Processing Operations	<input 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 Painting 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 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 A1.6: 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.

Mark Segec

Authorized Signature

Mark Segec

Type or Printed Name of Signatory

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

2/22/2021

Date

Director of EHS

Title of Signatory

Section AI.7: Notes, Comments, and Explanations

Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

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

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

Bill Oeth

Type or Printed Name of Signatory

4/13/2021

Date

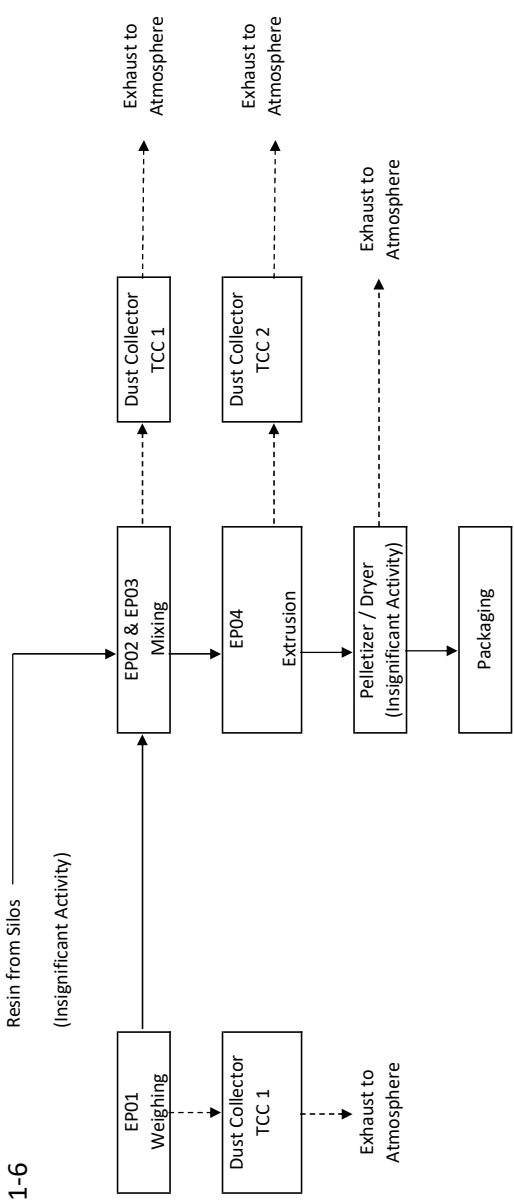
Director of Manufacturing

Title of Signatory

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

Teknor Color Company (KY TCC)

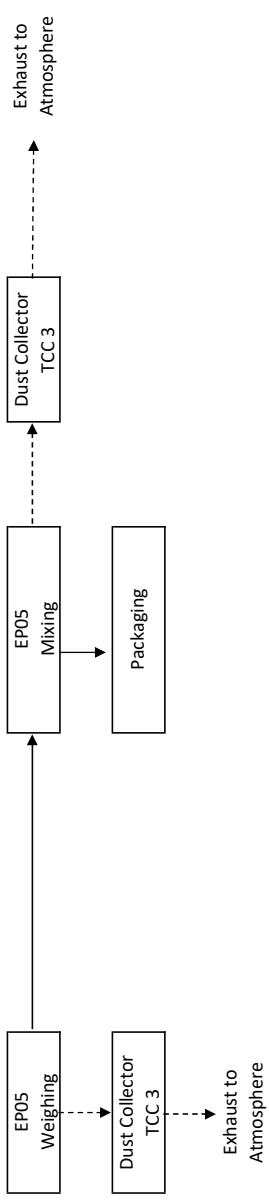
Color Lines 1-6 (Pellets)



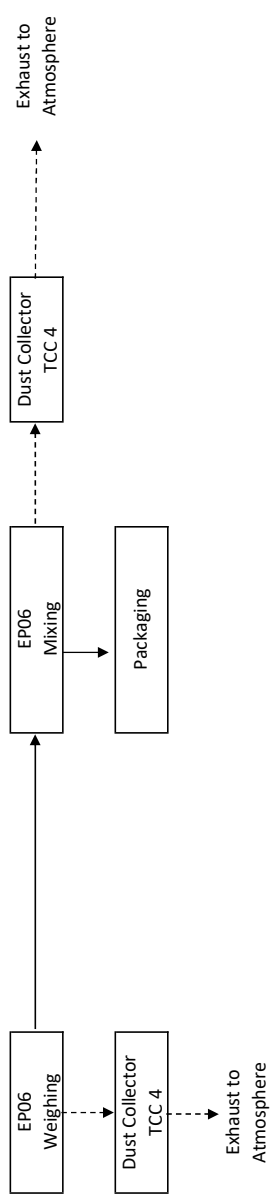
Other - Color Central Vac



Dry Color Powder



Dry Color - Metals Powder



Other - Dry Color Central Vac

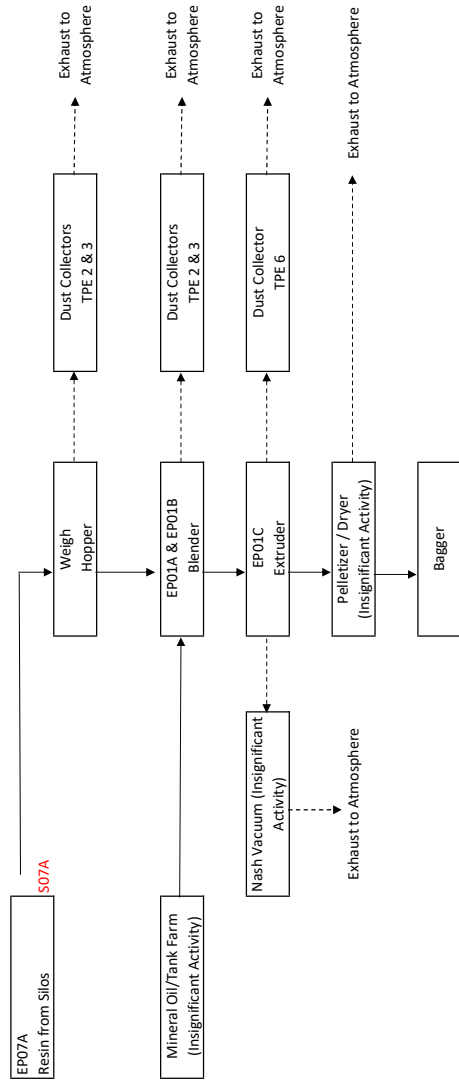


Legend

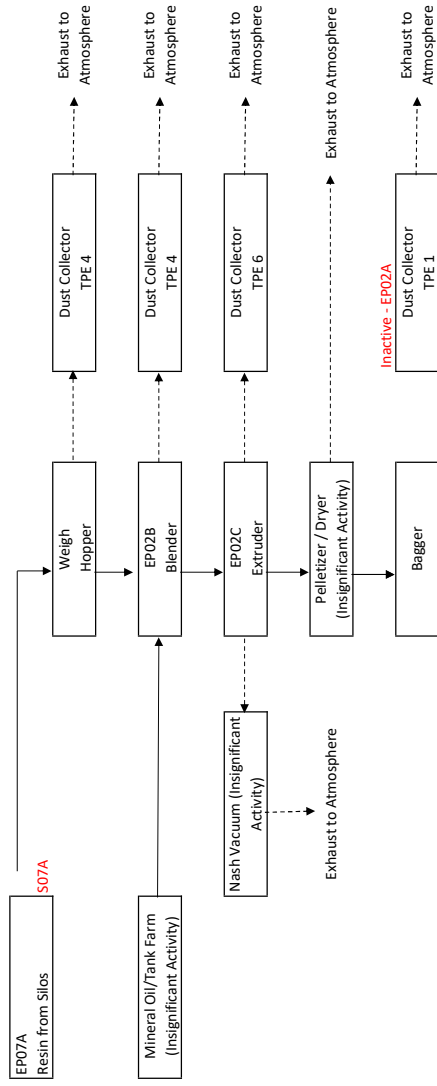


Thermoplastic Elastomers (KY TPE)

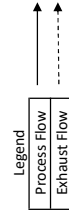
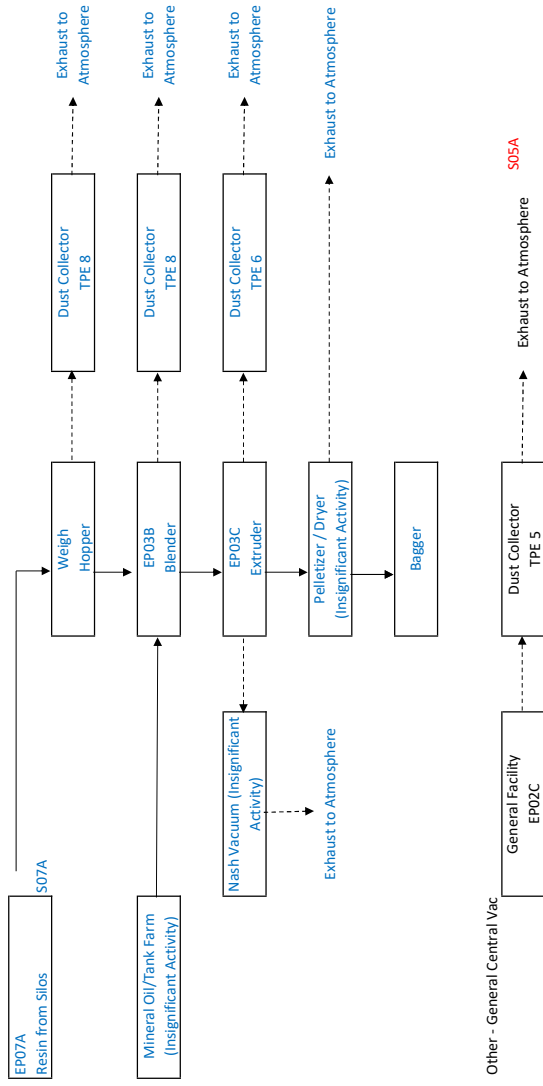
Line 1



Line 2



Line 3



Zortman, Jacob (EEC)

From: Susan Paris <sparis@teknorapex.com>
Sent: Wednesday, April 21, 2021 11:29 AM
To: Zortman, Jacob (EEC)
Cc: Dodd, Kailey (EEC); Delaney, Hollie (EEC)
Subject: RE: Teknor Apex - TPE flow diagram

Follow Up Flag: Flag for follow up
Flag Status: Flagged

1. The Color Extruder TCC2 (EU04) has the potential to emit PM, and as part of the PM it has the potential to emit HAPs, although that would be a small amount. Given this I would assume the referenced regulation would be applicable, to the best of my judgment.
2. As to the HAP breakdown, I went through our raw material usage report or 2020 and made note of any HAP we used in our plants. In some cases the amounts were extremely small. I did not break these down by process because these HAPS could be used in any part of the respective plant.

COLOR PLANT (TCC)

Antimony compounds
Arsenic (impurity in antimony oxide)
Cadmium compounds
Chromium compounds
Cobalt compounds
Lead compounds
Manganese compounds (extremely small amount)
Nickel compounds
Selenium compounds

TPE Plant

Antimony compounds
Arsenic (impurity in antimony oxide)
Chromium compounds
Lead compounds (impurity in antimony oxide)

3. I think “inherent baghouses” could mean bin vents, I am not sure where that term was referenced. In any case, I think that any baghouse would be considered a control device.

From: Zortman, Jacob (EEC) <jacob.zortman@ky.gov>
Sent: Monday, April 19, 2021 3:20 PM
To: Susan Paris <sparis@teknorapex.com>
Cc: Dodd, Kailey (EEC) <kailley.dodd@ky.gov>; Delaney, Hollie (EEC) <Hollie.Delaney@ky.gov>
Subject: RE: Teknor Apex - TPE flow diagram

****WARNING:** This email originated outside of Teknor Apex Company ****PLEASE USE CAUTION** when clicking links or attachments.

Good afternoon Susan,

Kailey and I have drafted up some initial questions for your permit renewal process.

1. Please verify that the extruder TCC2 (EU04) is not applicable to 401 KAR 59:010, or 401 KAR 63:020. Our emissions database has particulate emissions for the potential to emit, and this isn't reflected in the applicable regulations.
2. Please provide HAP breakdown (or verify that there are no HAPs) for each process. It seems the PM may be heavy metals for some of the TCC lines, which we may need to model their emissions depending on the material compositions.
3. Please confirm what is meant by "Inherent Baghouses". Our emissions database has a note on this, and we would like a bit more confirmation on what is meant by this. Not sure if we can consider the baghouses as "process" instead (see definition of control device in 401 KAR 52:001).

I think we will probably have a few more questions soon, but for now I wanted to give you some feedback while we continue our review. Let me know if you have any questions regarding our review, and feel free to call me at (785) 341-1624.

Thanks,

Jacob Zortman

Environmental Engineer Assistant I
KY Department for Environmental Protection
Division for Air Quality
Permit Review Branch
Chemical Section
300 Sower Blvd., 2nd Floor
Frankfort, KY 40601
O: 502-782-0524
C: 785-341-1624

From: Susan Paris <sparis@teknorapex.com>
Sent: Tuesday, April 13, 2021 3:22 PM
To: Zortman, Jacob (EEC) <jacob.zortman@ky.gov>
Subject: Teknor Apex - TPE flow diagram

Susan Paris
Sr. Environmental Manager
Teknor Apex Tennessee Company



February 1, 2017

Kentucky Division for Air Quality
Permit Support Section
200 Fair Oaks Lane, 1st Floor
Frankfort, KY 40601

Attn: Julian Breckinridge

Subject: Teknor Apex Company – TCC & TPE
Permit ID F-16-016 R1
Base emission source factors on grain loading

Dear Julian:

Teknor Apex Company is submitting written request that source emission factors for the subject facilities be based on outlet grain loading and removal efficiency rating in lieu of conducting stack testing. Per our conversation in late November, US Air Filtration, the manufacturer of dust collection equipment used at these Teknor locations, has supplied documents describing standard performance of cartridge and filter bag media at normal operating conditions. A copy of the documentation supplied with our most recent filter media shipment is attached for your reference.

Particle efficiency for filter bags is based on the volume of total emissions allowed through the baghouse, measured in grains per dry standard cubic feet (gr/dscf); efficiency for filter bags provided to Teknor Apex is 0.005 gr/dscf. The particle efficiency for filter cartridges is 99.7% to 99.99% for particles at 5 microns. Teknor Apex utilized much more conservative performance values of 0.01 grains/scf and 97.8% control efficiency in supporting calculations provided with our air permit application. When using values provided in the US Air Filtration guarantee, emission estimates decrease approximately 50%, resulting in much lower potential environmental impact.

This request is also being made for financial consideration. The cost estimate to perform stack testing ranges from \$50,000 to \$75,000. A significant contribution to this estimate is the need to add a temporary stack to our baghouses in order to meet EPA Method 5 sampling point location selection criteria. As you may know, the Teknor Apex color business is our smallest business and this cost would have a significant financial impact.

Teknor Apex believes this option may be supported by language included in Section B.3 – Testing Requirements of our Air Permit (F-160016R1). Paragraph 3.a. reads as follows:

“In accordance with 401 KAR 52:030, Section 26, the permittee must conduct a representative performance test for each control equipment of similar design that does not base emission factor source on outlet grain loading within 180 days of the issuance of permit F-16-016 to demonstrate compliance with the allowable emission limitations pursuant to 401 KAR 59:010 using EPA Reference Method 5 and to determine the control efficiency of each control device.

TEKNOR COLOR COMPANY
A SUBSIDIARY OF TEKNOR APEX COMPANY

3058 OHIO DRIVE • HENDERSON, KENTUCKY 42420 • TEL 270-827-5571 • WWW.TEKNORCOLOR.COM

The reference to "base emission factor source on outlet grain loading" appears to indicate that we may have an option to show compliance by making use of vendor guaranteed grain loading as opposed to conducting Method 5 stack testing. If this is the case, Teknor would like to suggest an alternative to rely on the vendor-provided performance guarantee. If this option is acceptable, Teknor personnel would routinely measure and record pressure drop across the system, when operating any equipment connected to the baghouse.

I respectfully request your consideration of this request and would be happy to discuss this option further with you. Please call me directly at (864) 408-6445 if you have any questions or would like to discuss in more detail.

Sincerely,



Mark Segee
Sr. EHS Manager

cc: Terry Connell, Sr. EHS Specialist, Teknor Apex Company



U.S. Air Filtration, Inc.

Clearing the Air for a Cleaner Environment Since 1987

Filter Efficiency (Dust/Grain Loading)

Definition: Efficiency is a measure of how much dust is collected by a certain filter media. The measurement and descriptions used are very differently between cartridges and filter bags.

Cartridge Media Efficiency Ratings: Cartridge media states efficiencies as a percentage of certain sizes particles trapped by the filter media. The following is an example of the efficiency rating for our standard spun bond poly media.

Particle Efficiency by Weight:

0.5 micron	99.70%
1.0 micron	99.80%
2.0 micron	100%

Filter Bags: Filter bags use a different measurement for efficiencies than cartridges. This is primarily because bags rely much more on the filter cake to catch the smaller particles. Bag media efficiencies are based on the volume of total emissions allowed through the baghouse and not micron size. It is measured in grains per dry standard cubic foot (gr/dscf).

1. Standard felts = 0.005 grains per dry standard cubic feet.
 - a. 7000 grains per pound
 - b. DSCF is equivalent to the CFM of the system.
 - c. Example: Maximum emissions = $.005 / 7000 * 20,000 \text{ cfm} * 60 \text{ min} = .85 \text{ lbs} / \text{hr}$ of dust on a 20,000 CFM system

www.usairfiltration.com

• 42065 Zevo Drive, Suite 12 • Temecula, CA 92590 • 951.491.7282 • Toll Free: 888.221.0312
• Fax: 951.491.7281

CA State Contractors License #531478



U.S. Air Filtration, Inc.

Clearing the Air for a Cleaner Environment Since 1987

TECHNICAL DATA SHEET

FILTER CARTRIDGE SPECIFICATIONS
ITEM NUMBER: USAF-C00002*

Dimensions:	Height: 26" Outside Diameter: 13.84" Inside Diameter: 9.479"
Top End Cap:	Material: Electro Galvanized (22 ga) Style: Open
Bottom End cap:	Material: Electro Galvanized (22 ga) Style: Open
Gasket:	1/2" x 1/2" x 11.75" ID isoprene applied on Top cap
Inner Retainer:	Electro galvanized expanded metal 3/8" x 5/8" (9.53 mm x 15.88 mm) 72% open area
Outer Retainer:	Electro galvanized expanded metal 3/8" x 5/8" (9.53 mm x 15.88 mm) 72% open area
Filter Media Area:	254 ft ²
Pleat Count:	368 +/- 2
Media Type:	<i>ProTura</i> Nanofiber Technology
Permeability:	20 cfm/ft ² @ 0.5" w.g. 160 L/sec/m ² @ ΔP 20 mm w.g.
Maximum Temperature:	180° F (82.22° C)
Minimum Efficiency Reporting Value:	Merv 15 @ 900 cfm
Particle Efficiency:	99.99% @ 0.5 micron

www.usairfiltration.com

• 42065 Zevo Drive, Suite 12 • Temecula, CA 92590 • 951.491.7282 • Toll Free: 888.221.0312
• Fax: 951.491.7281

CA State Contractors License #531478

Zortman, Jacob (EEC)

From: Susan Paris <sparis@teknorapex.com>
Sent: Friday, April 23, 2021 9:21 AM
To: Zortman, Jacob (EEC)
Subject: Teknor Apex

Here is the HAP breakdown for TPE

Total 2020 production	20,540,000 lbs		
Total 2020 antimony usage	121,446 lbs		0.6% of total production
Total 2020 arsenic usage	122 lbs		0.0006% of total production
Total chromium usage	375 lbs		0.002% of total production
Total lead usage	122 bs		0.0006% of total production

Susan Paris
Sr. Environmental Manager
Teknor Apex Tennessee Company

Harley, Brian (EEC)

From: Susan Paris <sparis@teknorapex.com>
Sent: Monday, December 16, 2024 5:27 PM
To: Harley, Brian (EEC)
Cc: Patil, Durga D (EEC)
Subject: RE: Teknor Apex Company - TCC & TPE Renewal

This Message Originated from Outside the Organization

You have not previously corresponded with this sender.

Report Suspicious

So I did more work on the cooling tower, the tower is 315 tons, vs 250 tons as stated in the permit. The “250 gallons” was supposed to be “tons”.

So I also I think I miss applied the formulae. I went back and calculated the drift first and then applied the emission factor, when I do that I get a more reasonable 1.9 lbs/year. So I think that is the final answer.

From: Susan Paris
Sent: Monday, December 16, 2024 2:39 PM
To: Harley, Brian (EEC) <Brian.Harley@ky.gov>
Cc: Patil, Durga D (EEC) <Durga.Patil@ky.gov>
Subject: RE: Teknor Apex Company - TCC & TPE Renewal

The high lighted items are the ones associated with the color plant which was shutdown. As to the colling tower, when I talked to maintenance on Friday they told me the flow rate on the tower was 945 gpm as opposed to 250 gpm, as listed in the permit. I am going to verify that but if I assume 945 gpm and the AP 42 emission factor of 0.019 lbs/ 1000 gallons, then I calculate 4.7 tons per year PM, assuming 8760 hrs per year.

From: Harley, Brian (EEC) <Brian.Harley@ky.gov>
Sent: Monday, December 16, 2024 2:11 PM
To: Susan Paris <sparis@teknorapex.com>
Cc: Patil, Durga D (EEC) <Durga.Patil@ky.gov>
Subject: RE: Teknor Apex Company - TCC & TPE Renewal

You don't often get email from brian.harley@ky.gov. [Learn why this is important](#).

Good Afternoon,

I have attached a pre-draft of your permit with the emissions units associated with the TCC equipment highlighted in yellow. Please confirm that these units are no longer in operation at the plant and that they need to be removed from the permit.

Furthermore, 401 KAR 59:010 is in fact a Generally Applicable Regulation, so the Cooling tower and other insignificant activities for which 401 KAR 59:010 would be applicable can remain in Section C of the permit. However, we do need the emissions for the 250 gpm Cooling Tower associated with the Performance Elastomers.

Please review the permit and confirm that the highlighted emission units should be removed from the permit by noon on Friday, December 20, 2024.

Thank You,
Brian Harley

From: Harley, Brian (EEC)
Sent: Friday, December 13, 2024 11:23 AM
To: Susan Paris <sparis@teknorapex.com>
Cc: Patil, Durga D (EEC) <Durga.Patil@ky.gov>
Subject: RE: Teknor Apex Company - TCC & TPE Renewal

Good Morning,

Thank you for getting back to me about the items that I had asked about.

In order to facilitate the removal of the TCC equipment in the permit, please let us know when the equipment was removed and specifically what emission units in Section B and Section C of the permit are no longer in operation/removed from the facility.

Thank You,
Brian Harley

From: Susan Paris <sparis@teknorapex.com>
Sent: Friday, December 13, 2024 10:50 AM
To: Harley, Brian (EEC) <Brian.Harley@ky.gov>
Cc: Patil, Durga D (EEC) <Durga.Patil@ky.gov>
Subject: RE: Teknor Apex Company - TCC & TPE Renewal

- Dispersions Modeling was performed on the emission units at the facility subject to 401 KAR 63:020 for Chromium (VI) (Hexavalent Chromium) and Cadmium. The predicted maximum residential impact was compared against the May 2024 RSL table for residential air where they were found to be in exceedance.
 - To show compliance with 401 KAR 63:020, it is suggested that actual emissions from Chromium (IV) be limited to 2.43E⁻⁵ tpy and Cadmium be limited to 3.24E⁻³ tpy.

The chromium and cadmium emitting equipment has been removed as the color (TCC plant) was shut down. What procedure do I need to follow to remove the TCC equipment from the permit?

The list of insignificant activities for the permit lists two cooling towers, one at 200 gpm and the other at 250 gpm. The current practice of the Division is to view cooling towers as process operations subject to 401 KAR 59:010 for emissions of Particulate Matter. As such 401 KAR 59:010 is not a Generally Applicable Regulation and the cooling towers must be put into Section B of the permit.

- Furthermore, the emissions must be quantified and put into the Emissions Inventory System.
- Please provide emissions calculations for the cooling towers.
 - The emissions for Cooling Towers can be found using AP-42 Ch13.4.

I will calculate these emissions for you next week and get you those numbers

- Also listed as an insignificant activity is the Electric Fluidized Bed Parts Cleaner.
 - Please indicate if any volatile organic solvents are used in this cleaner.
- This equipment was also located at the plant site (TCC) that has been shut down.