From:	Julie Verissimo
To:	APC Permitting
Cc:	Joshua Rhoads; John Fuss
Subject:	Talos Engineered Products (59-0174)
Date:	Friday, June 24, 2022 3:02:47 PM
Attachments:	image001.png Source 02 and 04 Application.pdf

Good afternoon,

When possible, please create a new construction permit log for 59-0174. Please move point numbers 02, 03, and 04 from permit number 980073 to the new log number once created. The attached information can be uploaded to the new log number.

If you have questions or need additional information, please let me know.

Thank you,
Julie

Julie Verissimo | Environmental Consultant 3
Division of Air Pollution Control
Tennessee Tower, 15th Floor
312 Rosa L Parks Ave., Nashville, TN 37243
p. 615-532-0582
julie.verissimo@tn.gov

-

From: Air.Pollution Control
To: APC Permitting
Subject: FW: Talos facility 59-0174 air permit application
Date: Friday, April 29, 2022 11:14:21 AM
Attachments: Attached Image.msg
0678_001 App 2022.04.26.pdf

-----Original Message-----
From: Joshua Rhoads <Joshua.Rhoads@tn.gov>
Sent: Friday, April 29, 2022 10:01 AM
To: Air.Pollution Control <Air.Pollution.Control@tn.gov>
Subject: FW: Talos facility 59-0174 air permit application

Here is some additional information received on Tuesday from Talos Engineered Products, LLC (59-0174/980073). When you have the opportunity, please upload and create the following emission sources to permit 980073:

Source 02 - Three (3) Powder Coating Booths Source 03 - 3.1 MMBtu/hr Dry-off Oven Source 04 - 3.1 MMBtu/hr Cure Oven

Thank you,
Joshua Rhoads

-----Original Message-----
From: Mark Rynearson <Mark.Rynearson@talosep.com>
Sent: Tuesday, April 26, 2022 7:36 AM
To: Joshua Rhoads <Joshua.Rhoads@tn.gov>
Subject: [EXTERNAL] Talos facility 59-0174 air permit application

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

Joshua,

Hope you are doing well. Please see the attached documents for Talos Engineered Products facility 59-0174. If you have any questions let me know.

Mark R.

Mark Rynearson - Safety Manager

TALOS ENGINEERED PRODUCTS, LLC

841 Industrial Dr.; Lewisburg, TN 37091

1-804-301-0502 (mobile)

and delete this message from all data storage systems. Thank you.

-----Original Message-----
From: scan@talosep.com <scan@talosep.com>
Sent: Tuesday, April 26, 2022 8:20 AM
To: Mark Rynearson <Mark.Rynearson@talosep.com>
Subject: Attached Image

[EXTERNAL]
CONFIDENTIALITY NOTICE: This message may contain confidential information. If you are not the intended recipient, please notify the sender and delete this message from all data storage systems. Thank you.

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
SURFACE COATING DESCRIPTION

Type or print. Submit for each spray booth, dip tank, or other surface coating equipment. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the Tennessee Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talos Engineered products LLC	

3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

COATING OPERATION DATA

4. Unique Source ID (name/number/letter that uniquely identifies this air contaminant source, like Paint Line 1)
Automated Pouder Coat (Apply to reclaim) Inclosed in a sealed environmental room with no exaust.

5. **Type of coating operation**	Spray booth	Dip tank	Other (describe)
	☑	☐	

6. **Spray booth dimensions**	Width (ft.)	Height (ft.)	Depth (ft.)	Number of open sides
	10'	8'4"	9'9"	3

7. **Method of spray:**	Airless	Air atomized	Electrostatic			Overspray (Percent)	Date purchased *
			Airless	Disc	Air atomized		3-15-2021
	☐	☐	☐	☐	☑		

8. **Exhaust data:**	Number of fans	Total horsepower	Total volume (CFM)
	None		

9. **Exhaust control:**	None	Waterwash	Exhaust filters	Baffle plates	Adsorption **	Other (Describe)
	☑	☐	☐	☐	☐	Self Containd unit

10. **Exhaust stack data** **	Diameter (Ft.)	Height (Ft.) Above Grade	Flow (CFM)	Specify serial numbers that share this vent

11. Control device. Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.).

* The actual surface coating equipment (spray gun, spray heads, etc.) and not the spray booth per se determines the status of the source (new or existing).

** Complete one line for each stack or vent. Attach additional sheets if necessary

NOTE: This application will not be processed unless all of the following information is provided.

MATERIAL DATA

12. Coatings, Thinners, and Clean-up Solvents used:

List all types of coatings, thinners, and clean-up solvents used and attach a statement of the chemical composition of each (i.e. Safety Data Sheet). This statement usually may be obtained from the coating, thinner, or clean-up solvent supplier. The minimum information required is the percent of solids by weight, the percent volatile by weight, the hydrocarbon composition and/or description of the volatile component, and the density of the coating, thinner, or clean-up solvent in pounds per gallon.

Coating name	Base [Water, Powder or Solvent*]	%Solids by Weight	%Volatile by Weight	Density (Lbs. /Gal.)	Quantity used		
					Gallons/Day		Gal./Mo.
					Average	Maximum **	Average
See previous submittal							
Thinner name							
Clean – up solvent name							

* Name Solvent Base type

** For new construction, this quantity will be used as a permit limitation on capacity.

13. Air contaminants. Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

Air contaminants	Average Emissions (Lbs./Hr.)	Maximum Emissions (Lbs./Hr.)	Concen-tration	Average Emissions (Tons/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Effi-ciency %
Particulate matter (PM)	none							
Sulfur dioxide (SO_2)								
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO_X)			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO_2 equivalents)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								

* Refer to the tables in the instructions for estimation method and control device codes.

EQUIPMENT DESCRIPTION		
14. Equipment manufacturer Gema	Model number	Serial number (or plant ID) GMX-2020-003
Construction date 3-15-2021		Modification date
Describe any modifications*		

15. Describe articles coated

Metal package sorting and handling equipment

16. Comments

The entire powder coat operation is sealed in an environmental room and the automatic equipment is a reclaim process where the powder is cleaned up, placed in the hopper and reapplied.

SIGNATURE

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Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

17. Signature		**Date**
		4-25-2022
Signer's name (type or print) Mark Rynearson	**Title** Safety Manager	**Phone number with area code** 804-301-0502

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
SURFACE COATING DESCRIPTION

Type or print. Submit for each spray booth, dip tank, or other surface coating equipment. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the Tennessee Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talos Engineered products LLC	

3. **Is this air contaminant source subject to an NSPS or NESHAP rule?** Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

COATING OPERATION DATA

4. **Unique Source ID** (name/number/letter that uniquely identifies this air contaminant source, like Paint Line 1)
East Manual Powder application Inclosed in a sealed environmental room with no exaust.

5. **Type of coating operation**	Spray booth	Dip tank	Other (describe)
	☑	☐	

6. **Spray booth dimensions**	Width (ft.)	Height (ft.)	Depth (ft.)	Number of open sides
	10'0"	8'4"	9'9"	3

7. **Method of spray:**	Airless	Air atomized	Electrostatic			Overspray (Percent)	Date purchased *
			Airless	Disc	Air atomized		3-15-2021
	☐	☐	☐	☐	☑		

8. **Exhaust data:**	Number of fans	Total horsepower	Total volume (CFM)
	None		

9. **Exhaust control:**	None	Waterwash	Exhaust filters	Baffle plates	Adsorption **	Other (Describe)
	☑	☐	☐	☐	☐	

10. **Exhaust stack data** **	Diameter (Ft.)	Height (Ft.) Above Grade	Flow (CFM)	Specify serial numbers that share this vent

11. **Control device.** Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.).

* The actual surface coating equipment (spray gun, spray heads, etc.) and not the spray booth per se determines the status of the source (new or existing).

** Complete one line for each stack or vent. Attach additional sheets if necessary

NOTE: This application will not be processed unless all of the following information is provided.

MATERIAL DATA

12. Coatings, Thinners, and Clean-up Solvents used:

List all types of coatings, thinners, and clean-up solvents used and attach a statement of the chemical composition of each (i.e. Safety Data Sheet). This statement usually may be obtained from the coating, thinner, or clean-up solvent supplier. The minimum information required is the percent of solids by weight, the percent volatile by weight, the hydrocarbon composition and/or description of the volatile component, and the density of the coating, thinner, or clean-up solvent in pounds per gallon.

Coating name	Base [Water, Powder or Solvent*]	%Solids by Weight	%Volatile by Weight	Density (Lbs. /Gal.)	Quantity used		
					Gallons/Day		Gal./Mo.
					Average	Maximum **	Average
See previous submittal							
Thinner name							
Clean – up solvent name							

* Name Solvent Base type

** For new construction, this quantity will be used as a permit limitation on capacity.

13. Air contaminants. Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

Air contaminants	Average Emissions (Lbs./Hr.)	Maximum Emissions (Lbs./Hr.)	Concen-tration	Average Emissions (Tons/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Effi-ciency %
Particulate matter (PM)	none							
Sulfur dioxide (SO_2)								
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO_X)			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO_2 equivalents)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								

* Refer to the tables in the instructions for estimation method and control device codes.

EQUIPMENT DESCRIPTION		
14. Equipment manufacturer Gema	Model number	Serial number (or plant ID) GMX-2020-003
Construction date 3-15-2021		Modification date
Describe any modifications*		

15. Describe articles coated

Metal package sorting and handling equipment

16. Comments

The Manuel booths are applied to waste where the powder is swept into 55 gal. barrels sealed and hauled off by a waste hauler.

SIGNATURE

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Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

17. Signature		**Date**
		4-25-2022
Signer's name (type or print) Mark Rynearson	**Title** Safety Mgr	**Phone number with area code** 804-301-0502

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
SURFACE COATING DESCRIPTION

Type or print. Submit for each spray booth, dip tank, or other surface coating equipment. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the Tennessee Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talos Engineered products LLC	

3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

COATING OPERATION DATA

4. Unique Source ID (name/number/letter that uniquely identifies this air contaminant source, like Paint Line 1)
West Manual Powder application Inclosed in a sealed environmental room with no exaust.

5. **Type of coating operation**	Spray booth	Dip tank	Other (describe)
	☑	☐	

6. **Spray booth dimensions**	Width (ft.)	Height (ft.)	Depth (ft.)	Number of open sides
	10'	8'4"	9'9"	3

7. **Method of spray:**	Airless	Air atomized	Electrostatic			Overspray (Percent)	Date purchased *
			Airless	Disc	Air atomized		3-15-2021
	☐	☐	☐	☐	☑		

8. **Exhaust data:**	Number of fans	Total horsepower	Total volume (CFM)
	None		

9. **Exhaust control:**	None	Waterwash	Exhaust filters	Baffle plates	Adsorption **	Other (Describe)
	☑	☐	☐	☐	☐	Self Containd unit

10. **Exhaust stack data** **	Diameter (Ft.)	Height (Ft.) Above Grade	Flow (CFM)	Specify serial numbers that share this vent

11. Control device. Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.).

* The actual surface coating equipment (spray gun, spray heads, etc.) and not the spray booth per se determines the status of the source (new or existing).

** Complete one line for each stack or vent. Attach additional sheets if necessary

NOTE: This application will not be processed unless all of the following information is provided.

MATERIAL DATA

12. Coatings, Thinners, and Clean-up Solvents used:

List all types of coatings, thinners, and clean-up solvents used and attach a statement of the chemical composition of each (i.e. Safety Data Sheet). This statement usually may be obtained from the coating, thinner, or clean-up solvent supplier. The minimum information required is the percent of solids by weight, the percent volatile by weight, the hydrocarbon composition and/or description of the volatile component, and the density of the coating, thinner, or clean-up solvent in pounds per gallon.

Coating name	Base [Water, Powder or Solvent*]	%Solids by Weight	%Volatile by Weight	Density (Lbs. /Gal.)	Quantity used		
					Gallons/Day		Gal./Mo.
					Average	Maximum **	Average
See previous submittal							
Thinner name							
Clean – up solvent name							

* Name Solvent Base type

** For new construction, this quantity will be used as a permit limitation on capacity.

13. Air contaminants. Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

Air contaminants	Average Emissions (Lbs./Hr.)	Maximum Emissions (Lbs./Hr.)	Concen-tration	Average Emissions (Tons/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Effi-ciency %
Particulate matter (PM)	none							
Sulfur dioxide (SO_2)								
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO_X)			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO_2 equivalents)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								

* Refer to the tables in the instructions for estimation method and control device codes.

EQUIPMENT DESCRIPTION		
14. Equipment manufacturer Gema	Model number	Serial number (or plant ID) GMX-2020-003
Construction date 3-15-2021		Modification date
Describe any modifications*		

15. Describe articles coated

Metal package sorting and handling equipment

16. Comments

The Manuel booths are applied to waste where the powder is swept into 55 gal. barrels sealed and hauled off by a waste hauler

SIGNATURE

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Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

17. Signature		**Date**
		4-25-2022
Signer's name (type or print) Mark Rynearson	**Title** Safety Manager	**Phone number with area code** 804-301-0502

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
PROCESS OR FUEL BURNING SOURCE DESCRIPTION

Type or print. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the TN Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talso Engineered Products LLC	

3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

4. **Unique Source ID** (see instructions)	5. **Unique Emission Point ID** (see instructions)
Natural Gas fired East cure oven	East Cure Oven

6. Description of air contaminant source
Gas fired burner

7. Type of air contaminant source (Check only one option to the right)

Process Emission Source: For each process emission source, submit a separate application. (Check at right and complete lines 8, 9, and 14)	☑
Process Emission Source with in process fuel: Products of combustion contact materials heated. For each process emission source, submit a separate application. (Check at right and complete lines 8 through 14)	☐
Non-Process fuel burning source: Products of combustion do not contact materials heated. Complete this form for each boiler or fuel burner and complete a Non-Title V Emission Point Description Form (APC 101) for each stack. (Check at right and complete lines 10 through 14)	☐

PROCESS EMISSION SOURCE DESCRIPTION AND DATA

8. **Type of operation:** Continuous ☑ Batch ☐	Normal batch time	Normal batches/day

9. **Process material inputs and In-process solid fuels**	Diagram reference	Input rates (pounds/hour) Design	Actual
A. Nateral gas	See flow doagram		
B.			
C.			
D.			
E.			
F.			
G.			
Totals			

* A simple process flow diagram must be attached.

DESCRIPTION OF BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

10. Boiler or burner data: (Complete lines 10 through 14 using a separate form for each boiler, burner, etc.)

Serial Number	Type of firing***
16765579	Automatic

Rated horsepower	Rated input capacity (10^6 BTU/Hr.)	Other rating (specify capacity and units)
1.5	3.1	

Date constructed	Date manufactured	Date of last modification (explain in comments below)
3-15-2021	2020	

** Source with a common stack will have the same stack number.
*** Cyclone, spreader (with or without reinjection), pulverized (wet or dry bottom, with or without reinjection), other stoker (specify type, hand fired, automatic, or other type (describe below in comments).

FUEL USED IN BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

11. Fuel data: (Complete for a process emission source with in process fuel or a non-process fuel burning source)

Primary fuel type (specify) Natural Gass — Standby fuel type(s) (specify)

Fuels used	Annual usage	Hourly usage		% Sulfur	% Ash	BTU value of fuel		(For APC use only) SCC code
		Design	Average					
Natural gas:	10^6 Cu. Ft. 0.051552	Cu. Ft. 3000	Cu. Ft. 8.9	////////// //////////	///// /////	1,000		
#2 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#5 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#6 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
Coal:	Tons	Lbs.	Lbs.					
Wood:	Tons	Lbs.	Lbs.	////////// //////////	///// /////			
Liquid propane:	10^3 Gal.	Gal.	Gal.	//////// ////////	///// /////	85,000		
Other (specify type & units):								

12. If Wood is used as a fuel, specify types and estimate percent by weight of bark

13. If Wood is used with other fuels, specify percent by weight of wood charged to the burner.

14. Comments

SIGNATURE

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Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

15. Signature		**Date**
		4-25-2022
Signer's name (type or print) Mark Rynearson	**Title** Safety Manager	**Phone number with area code** 804-301-0502

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
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Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
PROCESS OR FUEL BURNING SOURCE DESCRIPTION

Type or print. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the TN Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talso Engineered Products LLC	

3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

4. **Unique Source ID** (see instructions)	5. **Unique Emission Point ID** (see instructions)
Natural Gas fired West cure oven	West Cure Oven

6. Description of air contaminant source
Gas fired burner

7. Type of air contaminant source (Check only one option to the right)

Process Emission Source: For each process emission source, submit a separate application. (Check at right and complete lines 8, 9, and 14)	☑
Process Emission Source with in process fuel: Products of combustion contact materials heated. For each process emission source, submit a separate application. (Check at right and complete lines 8 through 14)	☐
Non-Process fuel burning source: Products of combustion do not contact materials heated. Complete this form for each boiler or fuel burner and complete a Non-Title V Emission Point Description Form (APC 101) for each stack. (Check at right and complete lines 10 through 14)	☐

PROCESS EMISSION SOURCE DESCRIPTION AND DATA

8. **Type of operation:** Continuous ☑ Batch ☐	Normal batch time	Normal batches/day

9. **Process material inputs and In-process solid fuels**	Diagram reference	Input rates (pounds/hour) Design	Actual
A. Nateral gas	See flow doagram		
B.			
C.			
D.			
E.			
F.			
G.			
Totals			

* A simple process flow diagram must be attached.

DESCRIPTION OF BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

10. Boiler or burner data: (Complete lines 10 through 14 using a separate form for each boiler, burner, etc.)

Serial Number	Type of firing***
16765579	Automatic

Rated horsepower	Rated input capacity (10^6 BTU/Hr.)	Other rating (specify capacity and units)
1.5	3.1	

Date constructed	Date manufactured	Date of last modification (explain in comments below)
3-15-2021	2020	

** Source with a common stack will have the same stack number.
*** Cyclone, spreader (with or without reinjection), pulverized (wet or dry bottom, with or without reinjection), other stoker (specify type, hand fired, automatic, or other type (describe below in comments).

FUEL USED IN BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

11. Fuel data: (Complete for a process emission source with in process fuel or a non-process fuel burning source)

Primary fuel type (specify) Natural Gass — Standby fuel type(s) (specify)

Fuels used	Annual usage	Hourly usage		% Sulfur	% Ash	BTU value of fuel		(For APC use only) SCC code
		Design	Average					
Natural gas:	10^6 Cu. Ft. 0.051552	Cu. Ft. 3000	Cu. Ft. 8.9	////////// //////////	///// /////	1,000		
#2 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#5 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#6 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
Coal:	Tons	Lbs.	Lbs.					
Wood:	Tons	Lbs.	Lbs.	////////// //////////	///// /////			
Liquid propane:	10^3 Gal.	Gal.	Gal.	//////// ////////	///// /////	85,000		
Other (specify type & units):								

12. If Wood is used as a fuel, specify types and estimate percent by weight of bark

13. If Wood is used with other fuels, specify percent by weight of wood charged to the burner.

14. Comments

SIGNATURE

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Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

15. Signature		**Date**
		4-25-2022
Signer's name (type or print) Mark Rynearson	**Title** Safety Manager	**Phone number with area code** 804-301-0502

DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF AIR POLLUTION CONTROL
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor, Nashville, TN 37243
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

NON-TITLE V PERMIT APPLICATION
PROCESS OR FUEL BURNING SOURCE DESCRIPTION

Type or print. Submit with the APC 100.

GENERAL IDENTIFICATION AND DESCRIPTION

1. **Organization's legal name and SOS control number** [as registered with the TN Secretary of State (SOS)]	2. **Emission Source Reference Number**
Talso Engineered Products LLC	

3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes ☐ No ☑
If Yes, list rule citation, including Part, Subpart, and applicable Sections:

4. **Unique Source ID** (see instructions)	5. **Unique Emission Point ID** (see instructions)
Natural Gas fired dry-off oven	Dryoff burner

6. Description of air contaminant source
Gas fired burner

7. Type of air contaminant source (Check only one option to the right)

Process Emission Source: For each process emission source, submit a separate application. (Check at right and complete lines 8, 9, and 14)	☑
Process Emission Source with in process fuel: Products of combustion contact materials heated. For each process emission source, submit a separate application. (Check at right and complete lines 8 through 14)	☐
Non-Process fuel burning source: Products of combustion do not contact materials heated. Complete this form for each boiler or fuel burner and complete a Non-Title V Emission Point Description Form (APC 101) for each stack. (Check at right and complete lines 10 through 14)	☐

PROCESS EMISSION SOURCE DESCRIPTION AND DATA

8. **Type of operation:** Continuous ☑ Batch ☐	Normal batch time	Normal batches/day

9. **Process material inputs and In-process solid fuels**	Diagram reference	Input rates (pounds/hour) Design	Actual
A. Nateral gas	See flow doagram		
B.			
C.			
D.			
E.			
F.			
G.			
Totals			

* A simple process flow diagram must be attached.

DESCRIPTION OF BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

10. Boiler or burner data: (Complete lines 10 through 14 using a separate form for each boiler, burner, etc.)

Serial Number	Type of firing***
16765579	Automatic

Rated horsepower	Rated input capacity (10^6 BTU/Hr.)	Other rating (specify capacity and units)
1.5	3.1	

Date constructed	Date manufactured	Date of last modification (explain in comments below)
3-15-2021	2020	

** Source with a common stack will have the same stack number.

*** Cyclone, spreader (with or without reinjection), pulverized (wet or dry bottom, with or without reinjection), other stoker (specify type, hand fired, automatic, or other type (describe below in comments).

FUEL USED IN BOILER, BURNER, ENGINE, OR OTHER FUEL BURNING SOURCE

11. Fuel data: (Complete for a process emission source with in process fuel or a non-process fuel burning source)

Primary fuel type (specify) Natural Gass — Standby fuel type(s) (specify)

Fuels used	Annual usage	Hourly usage		% Sulfur	% Ash	BTU value of fuel		(For APC use only) SCC code
		Design	Average					
Natural gas:	10^6 Cu. Ft. 0.051552	Cu. Ft. 3000	Cu. Ft. 8.9	////////// //////////	///// /////	1,000		
#2 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#5 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
#6 Fuel oil:	10^3 Gal.	Gal.	Gal.		///// /////			
Coal:	Tons	Lbs.	Lbs.					
Wood:	Tons	Lbs.	Lbs.	////////// //////////	///// /////			
Liquid propane:	10^3 Gal.	Gal.	Gal.	//////// ////////	///// /////	85,000		
Other (specify type & units):								

12. If Wood is used as a fuel, specify types and estimate percent by weight of bark

13. If Wood is used with other fuels, specify percent by weight of wood charged to the burner.

14. Comments

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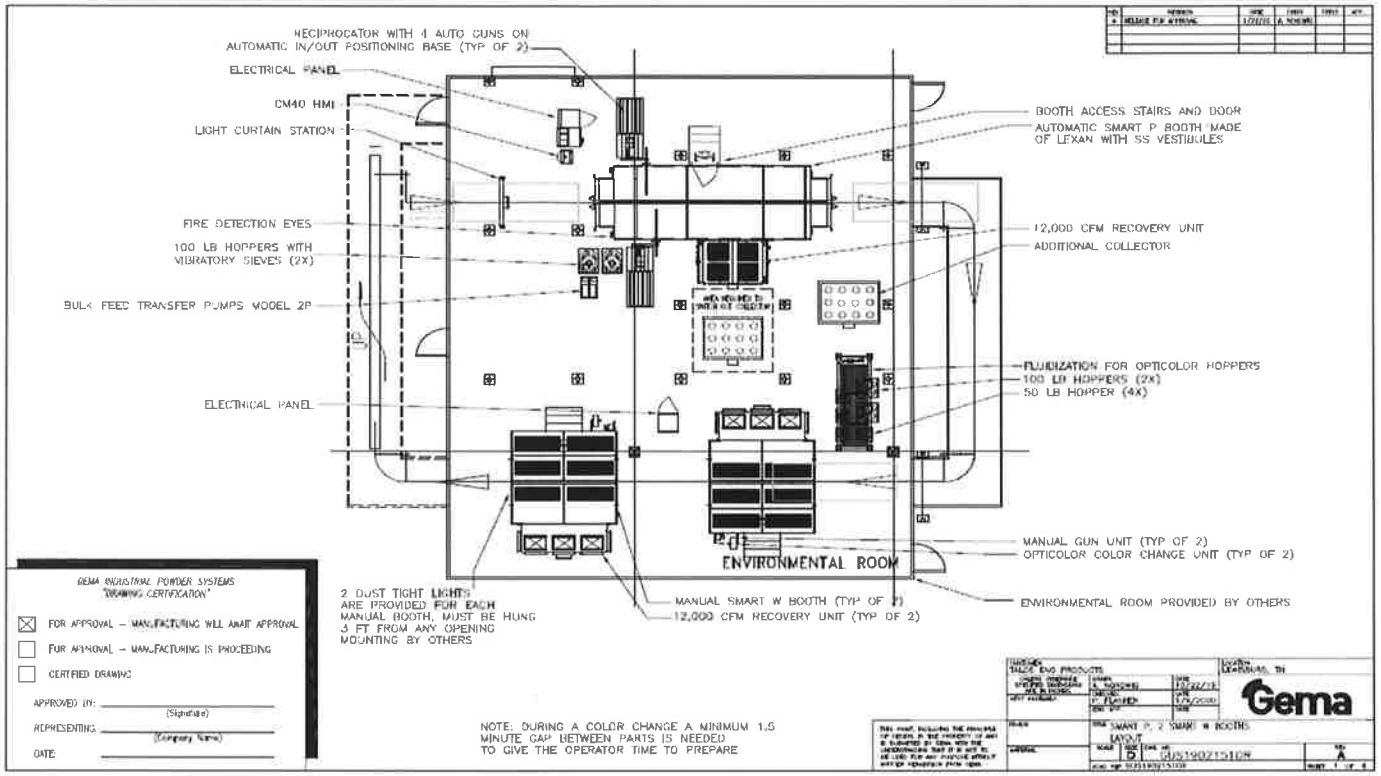
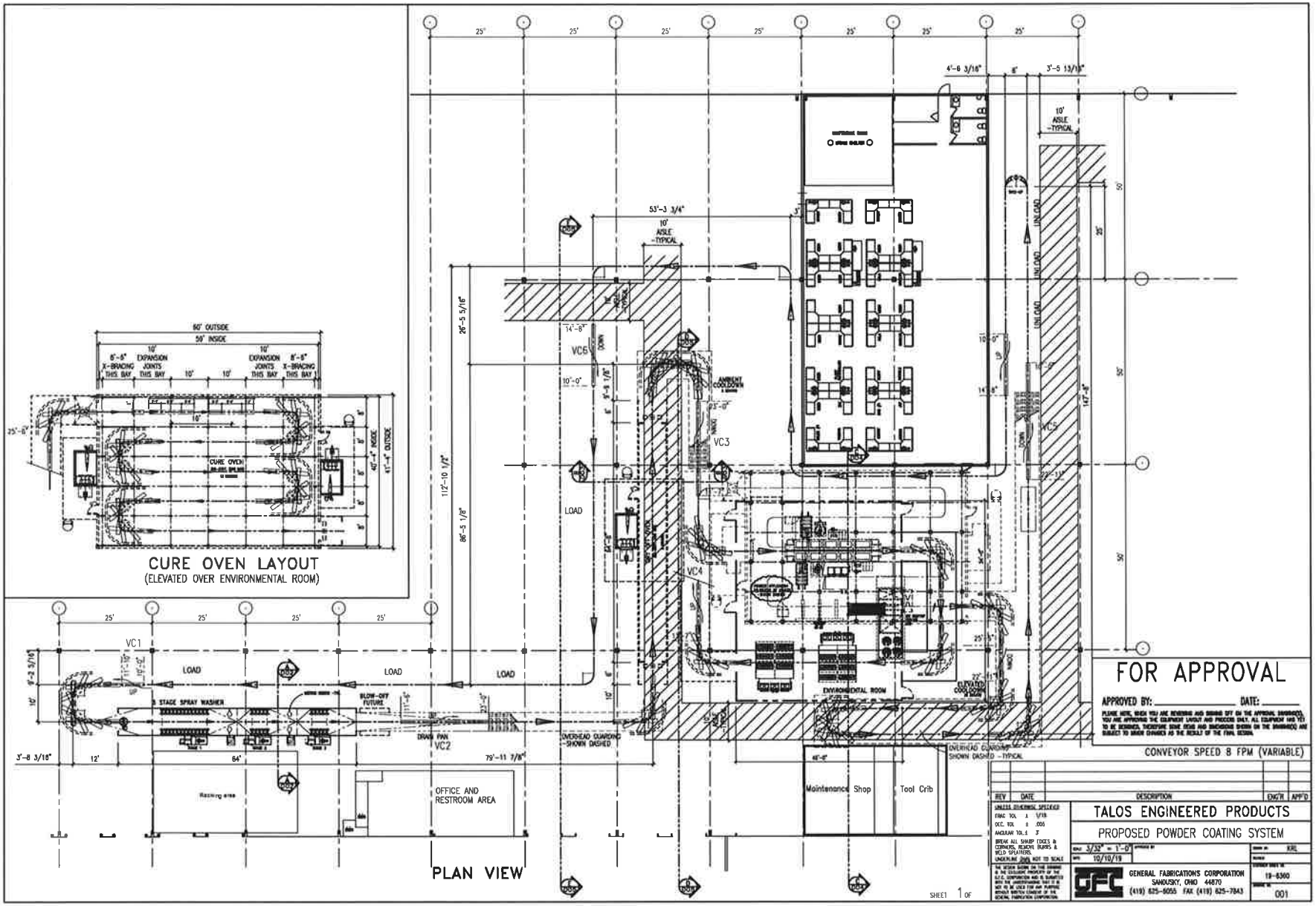
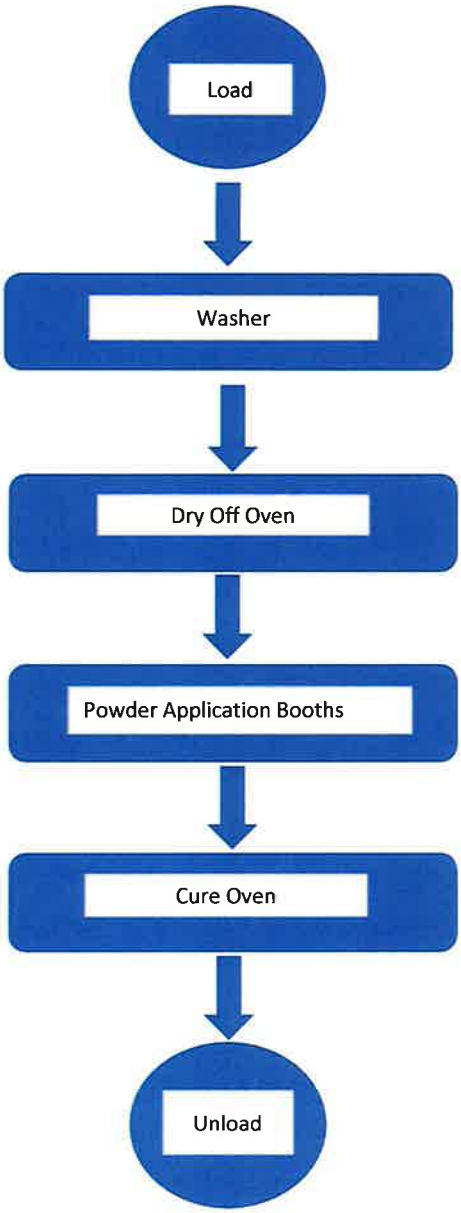


Powder Coat Booths (one automatic and two manual application booths). None of the booths have any external exhausts to the atmosphere, everything is contained in the environmental room. The automatic booth is a "apply to reclaim" so the residual powder in the booth is swept up and placed back in the hopper to be re-applied. The two manual booths are apply to waste so all of the residual powder so put into 55 gal. drums and sent of by a waste Haller. As a result there is nothing put into the atmosphere by anything in this part of the process.


CURE OVEN LAYOUT
(ELEVATED OVER ENVIRONMENTAL ROOM)
PLAN VIEW
FOR APPROVAL
APPROVED BY: _____ DATE: _____
CONVEYOR SPEED 8 FPM (VARIABLE)
TALOS ENGINEERED PRODUCTS
PROPOSED POWDER COATING SYSTEM
GENERAL FABRICATIONS CORPORATION
SANDUSKY, OHIO 44870
(419) 625-5055 FAX (419) 625-7843
19-6300
001
SHEET 1 OF
VC1
VC2
VC3
VC4
VC5
VC6
LOAD
UNLOAD
3 STAGE SPRAY WASHER
BLOW-OFF FUTURE
DRAW PAN
OVERHEAD GUARDING - SHOWN DASHED
OFFICE AND RESTROOM AREA
ENVIRONMENTAL ROOM
Maintenance Shop
Tool Crib
10' AISLE - TYPICAL

Talos Engineered Products LLC
Powder Coat Process Flow Diagram

4/25/2022



Natural Gas Consumption
Based off of meter readings

One Burner
51,552 CF/Year
Actual Consumption

Two Berners
103,104 CF/Year
Actual Consumption

All burners are the same part number

Total System consumption
154,656 CF/ Year

Powder Coat Line
Natural Gas Consumption

4/25/2022

Lewisburg Gas Department Receipts
Gas Company Account Number #800-02018-01 Dedicated meter to Powder Coat

	12888	CF Total quarter		
	3	Months		
	4296	Consumption / Month	12	51552
Burners	3	Burners all the same model		
	1432	Average per burner / Month	12	17184 Year
	30	Days / Month		
	320	Hours / Month		
	4.475	Consumption / Hour		
	51552			

Powder Coat Application Calculations

					Lbs. / Day		Lbs. / Mo.		
Coating Name	Base (Water, Powder or Solvent)	% Solids by Weight	% Volatile by Weight	Density (Lbs. / Gal.)	Average	Maximum	Average	Average	Average
BOX BLACK	Powder	100.0%	0%	N/A	0.1	Unknown	3.3	0	0
FLAT BLACK	Powder	100.0%	0%	N/A	3.4	Unknown	103.8	0	0
RAVEN TEXTURE I	Powder	100.0%	0%	N/A	2.6	Unknown	78.5	0	0
SATIN BLACK	Powder	100.0%	0%	N/A	0.8	Unknown	25.7	0	0
A.A. TAN	Powder	100.0%	0%	N/A	0.1	Unknown	4.2	0	0
BIG COUNTRY BLUE	Powder	100.0%	0%	N/A	1.4	Unknown	42.6	0	0
RAL 1023 GL SD	Powder	100.0%	0%	N/A	1.8	Unknown	56.1	0	0
RAL 1033 GL SD	Powder	100.0%	0%	N/A	0.3	Unknown	7.9	0	0
RAL 2010 GL SD	Powder	100.0%	0%	N/A	0.7	Unknown	21.7	0	0
RAL 5015 GL SD	Powder	100.0%	0%	N/A	3.7	Unknown	113.9	0	0
RAL 7001 GL SD	Powder	100.0%	0%	N/A	0.4	Unknown	13.3	0	0
RAL 7035 GL SD	Powder	100.0%	0%	N/A	0.1	Unknown	2.2	0	0
ral 7042 Traffic Gray	Powder	100.0%	0%	N/A	0.1	Unknown	3.3	0	0
SW 4084 SAFETY YLW	Powder	100.0%	0%	N/A	0.2	Unknown	6.7	0	0
RAL 5015-HR	Powder	100.0%	0%	N/A	0.3	Unknown	10.1	0	0
SW7015 REPOSE GRAY	Powder	100.0%	0%	N/A	39.1	Unknown	1190.4	0	0
QD F77AL7 REPOSE GRAY	Powder	100.0%	0%	N/A	0.2	Unknown	6.2	0	0
				Average	55.6		Total	0	0

Powder Coat Wash Calculations

					Gal. / Day		Gal. / Mo.		
Cal Prep 66D	Water	100.0%	0%	N /A	1.4	Unknown	42.0	0.0	0