

**From:** [Air.Pollution Control](#)  
**To:** [APC Permitting](#)  
**Subject:** FW: Permit #975063 Start up and Application for Operating Permit  
**Date:** Friday, December 4, 2020 8:22:07 AM  
**Attachments:** [#05081 Operating Permit Application APC 100, 101, 107.pdf](#)

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**From:** John Fuss <[John.Fuss@tn.gov](mailto:John.Fuss@tn.gov)>  
**Sent:** Friday, December 4, 2020 07:51  
**To:** Air.Pollution Control <[Air.Pollution.Control@tn.gov](mailto:Air.Pollution.Control@tn.gov)>  
**Subject:** FW: Permit #975063 Start up and Application for Operating Permit

Operating permit application attached

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**From:** Lisa A. Woods-Neisler <[lisa.neisler@us.abb.com](mailto:lisa.neisler@us.abb.com)>  
**Sent:** Friday, December 4, 2020 7:05 AM  
**To:** John Fuss <[John.Fuss@tn.gov](mailto:John.Fuss@tn.gov)>  
**Subject:** [EXTERNAL] RE: Permit #975063 Start up and Application for Operating Permit

Sorry it must have gotten left off the list of attachments. Here it is along with 101, and 107 for your review.

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**From:** John Fuss <[John.Fuss@tn.gov](mailto:John.Fuss@tn.gov)>  
**Sent:** Friday, December 04, 2020 7:46 AM  
**To:** Lisa A. Woods-Neisler <[lisa.neisler@us.abb.com](mailto:lisa.neisler@us.abb.com)>  
**Subject:** FW: Permit #975063 Start up and Application for Operating Permit

This email originated from **outside** of your organization. Please do not click on links or open attachments unless you recognize the sender and know the content is safe.

My apologies, which file contains the APC100? I'm not able to find it.

Thanks,  
John

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**From:** Lisa A. Woods-Neisler <[lisa.neisler@us.abb.com](mailto:lisa.neisler@us.abb.com)>  
**Sent:** Friday, December 4, 2020 6:06 AM  
**To:** John Fuss <[John.Fuss@tn.gov](mailto:John.Fuss@tn.gov)>  
**Subject:** [EXTERNAL] FW: Permit #975063 Start up and Application for Operating Permit

Mr. Fuss,

Please see the attachments that were included with our startup notification. APC 100, 101, and 107 and supporting documents are included.

Thanks,  
Lisa Neisler

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**From:** Lisa A. Woods-Neisler

**Sent:** Thursday, December 03, 2020 7:17 AM

**To:** [Air.Pollution.Control@tn.gov](mailto:Air.Pollution.Control@tn.gov)

**Subject:** Permit #975063 Start up and Application for Operating Permit

To Whom it Concerns,

Please see the attached files for the start up notification and application for operating permit for Permit #975063. Also attached is supporting documentation including emission calculations, SDSs, and equipment specifications. If you have any questions or concerns please feel free to contact me. Please confirm receipt of this email application.

Thanks,  
Lisa Neisler



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

APC 100

**NON-TITLE V PERMIT APPLICATION  
FACILITY IDENTIFICATION**

Type or print and submit. Attach appropriate source description forms.

**SITE INFORMATION**

**1. Organization's legal name and SOS control number** [as registered with the TN Secretary of State (SOS)]  
ABB INSTALLATION PRODUCTS INC. #000909235

**2. Site name** (if different from legal name)

**3. Is a construction permit application fee being submitted?** Yes ☐ No ☒  
(see instructions for appropriate fee to submit)

<b>4. Site address</b> (St./Rd./Hwy.) 260 DENNIS STREET		County name MCMINN
City ATHENS	Zip code 37303	<b>5. NAICS or SIC code</b> 335932

<b>6. Site location</b> (in lat. /long.)	Latitude 35.457389	Longitude 84.604261
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**CONTACT INFORMATION (RESPONSIBLE PERSON)**

<b>7. Responsible person/Authorized contact</b> SHANE SPARKS	Phone number with area code 423-745-6588
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<b>Mailing address</b> (St./Rd./Hwy.) 260 DENNIS STREET	Fax number with area code 423-745-9545
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City ATHENS	State TN	Zip code 37303	Email address SHANE.SPARKS@US.ABB.COM
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**CONTACT INFORMATION (TECHNICAL)**

<b>8. Principal technical contact</b> LISA NEISLER	Phone number with area code 423-745-6588
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<b>Mailing address</b> (St./Rd./Hwy.) 260 DENNIS STREET	Fax number with area code 423-745-9545
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City ATHENS	State TN	Zip code 37303	Email address LISA.NEISLER@US.ABB.COM
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**CONTACT INFORMATION (BILLING)**

<b>9. Billing contact</b> ACCOUNTS PAYABLE	Phone number with area code 423-745-6588
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<b>Mailing address</b> (St./Rd./Hwy.) 260 DENNIS STREET	Fax number with area code 423-745-9545
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City ATHENS	State TN	Zip code 37303	Email address
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**AIR CONTAMINANT SOURCE(S) INFORMATION**

- 10. Description of air contaminant source(s) and Unique Source ID(s).** List, identify, and briefly describe process emission sources, fuel burning installations, and incinerators that are contained in this application and include a Unique Source ID for each source. The Unique Source ID is a name/number/letter, which uniquely identifies the air contaminant source(s), like Boiler #1, Paint Line #1, Engine #1, etc. (see instructions for more details)

THIS APPLICATION IS TO CONVERT THE CONSTRUCTION PERMIT #975063 TO AN OPERATING PERMIT. THIS IS AN ELECTROPLATING MACHINE THAT COATS STEEL STRUT WITH ZINC TO PREVENT CORROSION. THE ELECTROPLATING LINE IS MADE OF VARIOUS HOLDING TANKS WITH VARIOUS AQUEOUS SOLUTIONS OF CLEANERS, RINSE WATERS, NON-CYANIDE ALKALINE ZINC ELECTROPLATING SOLUTION, AND A TRIVALENT CHROMIUM CONVERSION COATING.

- 11. Is the air contaminant source(s) in a nonattainment area? If "Yes", then minor source BACT must be addressed.** Yes      No

☐
☒

<b>12. Normal operation:</b>	Hours/Day 24	Days/Week 7	Weeks/Year 52	Days/Year 365
<b>13. Percent annual throughput</b>	Dec. – Feb. 25	March – May 25	June – August 25	Sept. – Nov. 25

**TYPE OF PERMIT REQUESTED (check appropriate box)**

<b>14. Operating permit</b> <input checked="" type="checkbox"/>	Date construction started 4-1-2019	Date completed 11-9-2020	Date of ownership change (if applicable)
	Last permit number(s) #975063		Emission Source Reference Number(s) 54-0047-16
<b>Construction permit</b> <input type="checkbox"/>	Last permit number(s)		Emission Source Reference Number(s)

If you chose Construction permit above, then choose either New Construction, Modification, or Location Transfer

<b>New Construction</b> <input type="checkbox"/>	Starting date	Completion date
<b>Modification</b> <input type="checkbox"/>	Date modification started or will start	Date completed or will complete
<b>Location Transfer</b> <input type="checkbox"/>	Transfer date	Address of last location



15. Describe changes that have been made to this equipment or operation(s) since the last construction or operating permit application:

N/A

**16. Comments**

PLEASE REFERENCE OPERATING PERMIT #076626. THIS IS THE SAME EXACT STYLE OF PLATER AND CHEMISTRY.

**SIGNATURE**

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 (application must be signed before it will be processed)

Date

Signer's name (type or print)

Title

Phone number with area code

SHANE SPARKS

PLANT MANAGER

12-2-2020

423-745-6588



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

APC 101

**NON-TITLE V PERMIT APPLICATION  
EMISSION POINT DESCRIPTION**

Type or print and submit for each stack or air contaminant source. Submit with the APC 100.					
<b>GENERAL IDENTIFICATION AND DESCRIPTION</b>					
<b>1. Organization's legal name and SOS control number</b> [as registered with the TN Secretary of State (SOS)] ABB INSTALLATION PRODUCTS #000909235					
<b>2. Unique Source ID</b> (name/number/letter which uniquely identifies this air contaminant source, like Boiler #1) #05081					
<b>3. Unique Emission Point ID</b> (name/number/letter which uniquely identifies this emission point, like Stack #1) SCRUBBER #1					
<b>4. Brief description of air contaminant source</b> (Attach a diagram if appropriate): JESSUP PLATER ELECTROPLATING MACHINE NON-CYANIDE ALKALINE ZINC PLATING WITH TRIVALENT CHROMIUM CONVERSION COATING					
<b>5. Emission point location</b>	Latitude	Longitude	<b>6. Distance to nearest property line (Ft.)</b> 125		
<b>STACK AND EMISSION DATA</b>					
<b>7. Stack or emission point data:</b> →	Height above grade (Ft.) 39	Diameter (Ft.) 4.667	Temperature (°F)	% of time over 125°F	Direction of exit (Up, down or horizontal) UP
Data at exit conditions: →	Flow (actual Ft. <sup>3</sup> /Min.) 76255	Velocity (Ft. /Sec.) 52.63	Moisture (Grains/Ft. <sup>3</sup> ) 6.2		Moisture (Percent) 80
Data at standard conditions: →	Flow (Dry std. Ft. <sup>3</sup> /Min.) 76255	Velocity (Ft. /Sec.) 52.63	Moisture (Grains/Ft. <sup>3</sup> ) 3.9		Moisture (Percent) 50
<b>8. Monitoring device and recording instrument (check all that apply):</b> Opacity monitor <input type="checkbox"/> SO <sub>2</sub> monitor <input type="checkbox"/> NO <sub>x</sub> monitor <input type="checkbox"/> Strip chart <input type="checkbox"/> Electronic data logger <input type="checkbox"/> Other (specify in comments) <input type="checkbox"/> No monitor (none) <input type="checkbox"/>					
<b>9. Control device.</b> 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.). SEE ATTACHED DESCRIPTION AND FLOW DIAGRAMS					

**10. 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.)	Concentration	Average Emissions (Ton/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Efficiency %
Particulate matter (PM)		0.00499	**	0.01042		3	001	99
Sulfur dioxide (SO <sub>2</sub> )			***					
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO <sub>x</sub> )			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO <sub>2</sub> equivalents)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								
Other (specify)								
Other (specify)								



**11. Comments**

SEE ATTACHED DESCRIPTION AND FLOW DIAGRAMS

**SIGNATURE**

If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.

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.

**12. Signature****Date**

- 12-2-2020

**Signer's name** (type or print)

SHANE SPARKS

**Title**

PLANT MANAGER

**Phone number with area code**

423-745-6588

- \* Refer to the tables in the instructions for estimation method and control device codes.
- \*\* Exit gas particulate matter concentration units: Process – Grains/Dry Standard Ft<sup>3</sup> (70°F), Wood fired boilers - Grains/Dry Standard Ft<sup>3</sup> (70°F), all other boilers – Lbs. /Million BTU heat input.
- \*\*\* Exit gas sulfur dioxide concentrations units: Process – PPM by volume, dry bases, and boilers – Lbs. /Million BTU heat input





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

APC 101

**NON-TITLE V PERMIT APPLICATION  
EMISSION POINT DESCRIPTION**

Type or print and submit for each stack or air contaminant source. Submit with the APC 100.					
<b>GENERAL IDENTIFICATION AND DESCRIPTION</b>					
<b>1. Organization's legal name and SOS control number</b> [as registered with the TN Secretary of State (SOS)] ABB INSTALLATION PRODUCTS #000909235					
<b>2. Unique Source ID</b> (name/number/letter which uniquely identifies this air contaminant source, like Boiler #1) #05081					
<b>3. Unique Emission Point ID</b> (name/number/letter which uniquely identifies this emission point, like Stack #1) SCRUBBER #2					
<b>4. Brief description of air contaminant source</b> (Attach a diagram if appropriate): JESSUP PLATER ELECTROPLATING MACHINE NON-CYANIDE ALKALINE ZINC PLATING WITH TRIVALENT CHROMIUM CONVERSION COATING					
<b>5. Emission point location</b>	Latitude	Longitude	<b>6. Distance to nearest property line (Ft.)</b> 125		
<b>STACK AND EMISSION DATA</b>					
<b>7. Stack or emission point data:</b> →	Height above grade (Ft.) 39	Diameter (Ft.) 4.667	Temperature (°F)	% of time over 125°F	Direction of exit (Up, down or horizontal) UP
Data at exit conditions: →	Flow (actual Ft. <sup>3</sup> /Min.) 37900	Velocity (Ft. /Sec.) 52.63	Moisture (Grains/Ft. <sup>3</sup> ) 6.2		Moisture (Percent) 80
Data at standard conditions: →	Flow (Dry std. Ft. <sup>3</sup> /Min.) 37900	Velocity (Ft. /Sec.) 52.63	Moisture (Grains/Ft. <sup>3</sup> ) 3.9		Moisture (Percent) 50
<b>8. Monitoring device and recording instrument (check all that apply):</b> Opacity monitor <input type="checkbox"/> SO <sub>2</sub> monitor <input type="checkbox"/> NO <sub>x</sub> monitor <input type="checkbox"/> Strip chart <input type="checkbox"/> Electronic data logger <input type="checkbox"/> Other (specify in comments) <input type="checkbox"/> No monitor (none) <input type="checkbox"/>					
<b>9. Control device.</b> 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.). SEE ATTACHED DESCRIPTION AND FLOW DIAGRAMS					

**10. 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.)	Concentration	Average Emissions (Ton/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Efficiency %
Particulate matter (PM)		0.00248	**	0.00518		3	001	99
Sulfur dioxide (SO <sub>2</sub> )			***					
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO <sub>x</sub> )			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO <sub>2</sub> equivalents)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								
Other (specify)								
Other (specify)								

**11. Comments**

SEE ATTACHED DESCRIPTION AND FLOW DIAGRAMS

**SIGNATURE**

If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.

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.

**12. Signature****Date**

12-2-2020

**Signer's name** (type or print)**Title****Phone number with area code**

SHANE SPARKS

PLANT MANAGER

423-745-6588

- \* Refer to the tables in the instructions for estimation method and control device codes.
- \*\* Exit gas particulate matter concentration units: Process – Grains/Dry Standard Ft<sup>3</sup> (70°F), Wood fired boilers - Grains/Dry Standard Ft<sup>3</sup> (70°F), all other boilers – Lbs. /Million BTU heat input.
- \*\*\* Exit gas sulfur dioxide concentrations units: Process – PPM by volume, dry bases, and boilers – Lbs. /Million BTU heat input





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DIVISION OF AIR POLLUTION CONTROL  
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Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

APC 107

### 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.							
<b>GENERAL IDENTIFICATION AND DESCRIPTION</b>							
1. Organization's legal name and SOS control number [as registered with the Tennessee Secretary of State (SOS)] ABB INSTALLATION PRODUCTS INC. #000909235						2. Emission Source Reference Number	
3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes, list rule citation, including Part, Subpart, and applicable Sections: 40 CFR 63 SUBPART WWWWWW							
<b>COATING OPERATION DATA</b>							
4. Unique Source ID (name/number/letter that uniquely identifies this air contaminant source, like Paint Line 1) #05081							
5. Type of coating operation		Spray booth <input type="checkbox"/>		Dip tank <input checked="" type="checkbox"/>		Other (describe)	
6. Spray booth dimensions		Width (ft.)		Height (ft.)		Depth (ft.)	
7. Method of spray:		Airless <input type="checkbox"/>		Air atomized <input type="checkbox"/>		Electrostatic Airless <input type="checkbox"/> Disc <input type="checkbox"/> Air atomized <input type="checkbox"/>	
8. Exhaust data:		Number of fans		Total horsepower		Overspray (Percent)	
9. Exhaust control:		None <input type="checkbox"/>		Waterwash <input type="checkbox"/>		Exhaust filters <input type="checkbox"/> Baffle plates <input type="checkbox"/> Adsorption ** <input type="checkbox"/>	
10. Exhaust stack data **		Diameter (Ft.) 4.66/4		Height (Ft.) Above Grade 39-39		Flow (CFM) 76255/37900	
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
MERLIN STARTER	AQ		0	8.47	19	25	390
MERLIN BRIGHTENER	AQ		0	8.55	86	90	1788
ZINC DIP PART A	POWDER		0	N/A	62LB	70LB	1292LB
ZINC DIP PART B	POWDER		0	N/A	62LB	70LB	1292LB
HYPRO YELLOW UVS	AQ		0	9.01	22	30	450
HYPROTEC (TRI-CHROME)	AQ		0	11.76	22	30	458
CLEAN R 235	AQ		0	9.42	12	15	252
LIQUICLEAN LECTRO NA	AQ		0	11.30	14	18	298
** TRIVALENT CHROME IS ONLY	USED IN	CONV	COATING	NOT	ELECTRO-	PLATING	
Thinner name							
Clean - up solvent name							

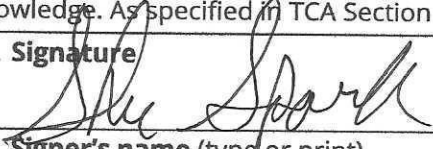
\* Name Solvent Base type

\*\* 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.)	Concentration	Average Emissions (Tons/Yr.)	Potential Emissions (Ton/Yr.)	Emissions Estimation Method Code *	Control Devices *	Control Efficiency %
Particulate matter (PM)		00.746		0.0327		3	001	99
Sulfur dioxide (SO <sub>2</sub> )								
Carbon monoxide (CO)			PPM					
Volatile organic compounds (VOC)			PPM					
Nitrogen oxides (NO <sub>x</sub> )			PPM					
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)								
Greenhouse gases (CO <sub>2</sub> 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		
<b>14. Equipment manufacturer</b> JESSUP MANUFACTURING	Model number	Serial number (or plant ID) 05081
Construction date 4-1-2019		Modification date
Describe any modifications*		
<b>15. Describe articles coated</b> STEEL STRUT WILL BE COATED WITH NON-CYANIDE ALKALINE ZINC ELECTROPLATING WITH A TRIVALENT CHROMIUM CONVERSION COATING		
<b>16. Comments</b> REFERENCE OPERATING PERMIT #076626 THE ELECTROPLATING MACHINES AND CHEMISTRY ARE THE EXACT SAME.		
SIGNATURE		
If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.		
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.		
<b>17. Signature</b> 		<b>Date</b> 12-2-2020
<b>Signer's name</b> (type or print) SHANE SPARKS	<b>Title</b> PLANT MANAGER	<b>Phone number with area code</b> 423-745-6588