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

Operating permit application attached

From: Lisa A. Woods-Neisler <<u>lisa.neisler@us.abb.com</u>>
Sent: Friday, December 4, 2020 7:05 AM
To: John Fuss <<u>John.Fuss@tn.gov</u>>
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.

From: John Fuss <<u>John.Fuss@tn.gov</u>>
Sent: Friday, December 04, 2020 7:46 AM
To: Lisa A. Woods-Neisler <<u>lisa.neisler@us.abb.com</u>>
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

From: Lisa A. Woods-Neisler <<u>lisa.neisler@us.abb.com</u>>
Sent: Friday, December 4, 2020 6:06 AM
To: John Fuss <<u>John.Fuss@tn.gov</u>>
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

From: Lisa A. Woods-Neisler
Sent: Thursday, December 03, 2020 7:17 AM
To: <u>Air.Pollution.Control@tn.gov</u>
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



NON-TITLE V PERMIT APPLICATION FACILITY IDENTIFICATION

| | water of the second state of the | | | | representation and the second second second | | and a sum in the second sec | | |
|-----|--|-----------------------|--|-------------|---|------------------------------|---|--|--|
| | Тур | e or print and sub | omit. Atta | ach a | ppropriate so | ource description | n forms. | | |
| | | | SITE | INFO | ORMATION | | | | |
| | Organization's legal INSTALLATION PROD | | | umb | er [as registe | ered with the TN | Secretary of State (SOS)] | | |
| 2. | Site name (if differen | nt from legal nam | e) | | | | | | |
| | Is a construction pe (see instructions for a | | | | bmitted? | Yes No | V | | |
| | Site address (St./Rd. DENNIS STREET | /Hwy.) | | | | | County name MCMINN | | |
| ATH | City ENS | ei. | | Zip 3730 | code 03 | | 5. NAICS or SIC code 335932 | | |
| | Site location (in lat. /long.) | Latitude 35.457389 | | | | Longitude 84.604261 | | | |
| | | CONTACT | NFORM/ | ATIO | N (RESPONS | BLE PERSON) | | | |
| | Responsible person NE SPARKS | /Authorized con | tact | | | Phone numbe 423-745-6588 | er with area code | | |
| 260 | Mailing address (St. DENNIS STREET | /Rd./Hwy.) | | | | Fax number v 423-745-9545 | vith area code | | |
| ATH | City ENS | | State TN | | Zip code 37303 | | Email address SHANE.SPARKS@US.ABB.COM | | |
| | | CONT | FACT INF | ORM | IATION (TECI | HNICAL) | | | |
| | Principal technical NEISLER | contact | | | | Phone numbe 423-745-6588 | er with area code | | |
| 260 | Mailing address (St. DENNIS STREET | /Rd./Hwy.) | | | | Fax number v 423-745-9545 | vith area code | | |
| ATH | City ENS | | State TN | | Zip code 37303 | Email address | s @US.ABB.COM | | |
| | | COI | NTACT IN | IFOR | MATION (BI | LING) | | | |
| | Billing contact OUNTS PAYABLE | | | | na ganganan kata Manuna kata kata kata kata kata kata kata ka | Phone numbe 423-745-6588 | er with area code | | |
| 260 | Mailing address (St. DENNIS STREET | /Rd./Hwy.) | an a | | | Fax number v 423-745-9545 | vith area code | | |
| ATH | City ENS | | State TN | | Zip code 37303 | Email addres | 5 | | |

| | AIR CONTAM | MINANT SOU | RCE(S) INF | ORMATION | | | | | | | |
|--|---|--|------------------|-----------------------------|--------------------------|--|--|--|--|--|--|
| and include a Un uniquely identifie instructions for n THIS APPLICATION IS ELECTROPLATING MAR ELECTROPLATING LIN CLEANERS, RINSE WAT | 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) HIS APPLICATION IS TO CONVERT THE CONSTRUCTION PERMIT #975063 TO AN OPERATING PERMIT. THIS IS AN ECTROPLATING MACHINE THAT COATS STEEL STRUT WITH ZINC TO PREVENT CORROSION. THE ECTROPLATING LINE IS MADE OF VARIOUS HOLDING TANKS WITH VARIOUS AQUEOUS SOLUTIONS OF EANERS, RINSE WATERS, NON-CYANIDE ALKALINE ZINC ELECTROPLATING SOLUTION, AND A TRIVALENT ROMIUM CONVERSION COATING. | | | | | | | | | | |
| | | ł | | | 1 | | | | | | |
| 11. Is the air contan addressed. Yes | ninant source(s) in a no No 🖌 | onattainmer | nt area? If | "Yes", then minor s | ource BACT must be | | | | | | |
| 12. Normal operation: | Hours/Day 24 | Days/Week 7 | | Weeks/Year 52 | Days/Year 365 | | | | | | |
| 13. Percent annual throughput | Dec. – Feb. 25 | March – Ma 25 | У | June – August 25 | Sept. – Nov. 25 | | | | | | |
| | TYPE OF PERMIT | REQUESTEI |) (check a | ppropriate box) | | | | | | | |
| 14. Operating permit | Date construction star 4-1-2019 | ted Date 11-9-2 | | Date of ownership | change (if applicable) | | | | | | |
| | Last permit number(s) #975063 |) | Emissi 54-004 | on Source Reference 7-16 | Number(s) | | | | | | |
| Construction permit | Last permit number(s | | | on Source Reference | | | | | | | |
| If you chose Construc | tion permit above, then | choose eithe | er New Cor | struction, Modificatio | on, or Location Transfer | | | | | | |
| New Construction Sta | arting date | | Completio | on date | | | | | | | |
| Modification Da | ate modification started | or will start | Date com | pleted or will complet | te | | | | | | |
| Location Transfer Tr | ansfer date | and a second | Address o | f last location | | | | | | | |

| 15. Describe changes that have been made to this equipment or ope or operating permit application: | eration(s) since the last construction |
|---|--|
| N/A | |
| | |
| | |
| | |
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| | |
| 16. Comments PLEASE REFERENCE OPERATING PERMIT #076626. THIS IS THE SAME EXAC | T STYLE OF PLATER AND CHEMISTRY |
| TERSE REFERENCE OF ERVITING FERMIN #070020. THIS IS THE SAME EVA | |
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| | |
| SIGNATURE | |
| Based upon information and belief formed after a reasonable inquiry, I, a | |
| mentioned facility, certify that the information contained in this application | |
| knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is | and a second |
| 17. Signature (application must be signed before it will be processed) | Date |
| Dhar Doarth | 12-2-2020 |
| Signer's name (type or print) Title | Phone number with area code |
| SHANE SPACKS PLANT MANAGE | 423-745-6588 |

l



NON-TITLE V PERMIT APPLICATION EMISSION POINT DESCRIPTION

| Туре | or print and | submit for ea | ach stack or air cor | ntaminai | nt sourc | e. Submit with th | ne APC 100. | | | |
|--|--|----------------------------|--------------------------------------|--------------------------------------|---------------------------|-------------------------------------|---|--|--|--|
| | | GENERA | L IDENTIFICATION | N AND C | ESCRIP | TION | | | | |
| 1. Organization ABB INSTALLATIO | 's legal name ON PRODUCTS | and SOS co #00090923 | ontrol number [as 5 | register | ed with | the TN Secretary | / of State (SOS)] | | | |
| 2. Unique Source #05081 | :e ID (name/n | umber/lettei | r which uniquely ic | lentifies | this air | contaminant sou | ırce, like Boiler #1) | | | |
| SCROBBER #1 | | | per/letter which ur | | | | pint, like Stack #1) | | | |
| 4. Brief descript JESSUP PLATER EI CONVERSION CO | ECTROPLATIN | ntaminant s NG MACHINE | ource (Attach a di NON-CYANIDE AL | agram if .KALINE | approp ZINC PL | oriate): ATING WITH TRIV | VALENT CHROMIUM | | | |
| 5. Emission poir location | 5. Emission point location Latitude Longitude 6. Distance to nearest property line (Ft.) 125 | | | | | | | | | |
| | | | STACK AND EMIS | SION DA | ATA | | | | | |
| 7. Stack or emission point data: → | Height abov (Ft.) 39 | e grade | Diameter (Ft.) 4.667 | (°F) | erature | % of time over 125°F | Direction of exit (Up, down or horizontal) UP | | | |
| Data at exit conditions: → | Flow (actual 76255 | Ft. ³ /Min.) | Velocity (Ft. /Sec. 52.63 | Velocity (Ft. /Sec.) Mi 52.63 6.2 | | | Moisture (Percent) 80 | | | |
| Data at standard conditions: → | Flow (Dry sto 76255 | l. Ft. ³ /Min.) | Velocity (Ft. /Sec. 52.63 |) | Moistu 3.9 | ıre (Grains/Ft. ³) | Moisture (Percent) 50 | | | |
| 8. Monitoring de | evice and reco | ording instr | ument (check all | that ap | nlv): | | | | | |
| Opacity m <u>onit</u> or | SO ₂ m <u>oni</u> tor | NO _x monitor | Strip chart | Electro dat <u>a lo</u> | onic ogger | Other (specif in comments | i) (n <u>one)</u> | | | |
| 9. Control devic emission limit SEE ATTACHED DE | s. Include ope | rating paran | neters of control d | ordkeepi evice (flo | - ing, and ow rate, | reporting to ass temperature, pr | ure compliance with essure drop, etc.). | | | |

APC 101

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)

| instructions for | more detail | S) | | | | | | |
|---|------------------------------------|------------------------------------|--------------------|-----------------------------------|---|---|-------------------------|--|
| Air contaminants | Average Emissions (Lbs./Hr.) | Maximum Emissions (Lbs./Hr.) | Concen- tration | Average Emissions (Ton/Yr.) | Potential Emissions (Ton/Yr.) | Emissions Estimation Method Code * | Control Devices * | Control Effi- ciency % |
| Particulate matter (PM) | | 0.00499 | ** | 0.01042 | | 3 | 001 | 99 |
| Sulfur dioxide (SO ₂) | | | *** | | | | | |
| Carbon monoxide (CO) | | | PPM | | ar - an an Arta Sala an Arta Arta Arta Arta Arta Arta Arta Arta | | | |
| Volatile organic compounds (VOC) | | | PPM | | | | | |
| Nitrogen oxides (NO _x) | | | PPM | | | | | na – Konstantin (Marine Marine Mar |
| Hydrogen fluoride (HF) | | | | | | | | |
| Hydrogen chloride (HCl) | | | | | - for the former to be a second | | | |
| Lead (Pb) | | | | | | | | and a submitted on the second |
| Greenhouse gases (CO ₂ equivalents) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | - and the second se |
| Hazardous air pollutant (specify) | | | 4 | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | 98 |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | |
| Other (specify) | | | n. | | | | | and the second |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |

11. Comments SEE ATTACHED DESCRIPTION AND FLOW DIAGARAMS

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.

| an contraction of the | the second s | eriale eriale perialey of perjury. |
|-------------------------------|--|------------------------------------|
| 12. Signature | | Date |
| Ally Altant | ~ | -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 Ft³ (70⁰F), Wood fired boilers – Grains/Dry Standard Ft³ (70⁰F), 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



NON-TITLE V PERMIT APPLICATION EMISSION POINT DESCRIPTION

| Type | or | nrint and su | hmit for o | ach | chaolu an a' anna | | | | | |
|--|-----------------------------|---------------------|-------------------------------|-----------|---|--------------------|-------------------|---|---|--------------------------|
| | | print and st | DITIL TOT E | | SLACK OF AIT CON | tamina | nt sourc | e. Submit with th | ne APC 100. | Construction of the same |
| 1.0 | | | GENERA | | ENTIFICATION | AND | DESCRIP | TION | and the second second | |
| 1. Organization | 'S I | egal name a | and SOS co | ontr | ol number [as | register | ed with | the TN Secretary | of State (SOS)] | |
| ABB INSTALLATIO | DN F | RODUCTS | \$00090923 | 5 | | | | | | |
| 2. Unique Source #05081 | ce II | D (name/nu | mber/lette | r wł | nich uniquely ide | entifies | this air | contaminant sou | ırce, like Boiler #1) | į. |
| 3. Unique Emiss SCRUBBER #2 | sion | Point ID (r | ame/numb | oer/ | letter which uni | iquely i | dentifies | this emission po | pint, like Stack #1) | |
| 4. Brief descript JESSUP PLATER EL CONVERSION CO | -EC | ROPLATING | aminant s G MACHINE | oui NC | r ce (Attach a dia DN-CYANIDE ALI | igram if KALINE | approp ZINC PL | riate): ATING WITH TRIV | VALENT CHROMIUI | M |
| 5. Emission point location Latitude Longitude 6. Distance to nearest property line (Ft.) 125 | | | | | | | | | | |
| | | | | ST/ | CK AND EMISS | | | | | |
| 7. Stack or emission point data: → | Height above grade (Ft.) | | | Di | ameter (Ft.) 667 | | erature | % of time over 125°F | Direction of exit (Up, down or horizontal) UP | |
| Data at exit | Flo | ow (actual F | t. ³ /Min.) | Ve | Velocity (Ft. /Sec.) | | | l (Grains/Ft. ³) | Moisture (Danes | |
| conditions: \rightarrow | | 900 | | | 52.63 | | | ile (Grains/Ft.) | Moisture (Perce | ent) |
| Data at standard conditions: → | | ow (Dry std. 900 | Ft. ³ /Min.) | Ve 52. | locity (Ft. /Sec.) 63 | | Moistu 3.9 | re (Grains/Ft. ³) | Moisture (Perce 50 | ent) |
| 8. Monitoring de | evic | e and reco | ding instr | um | ent (check all t | hat an | nlv). | ana ana amin'ny tanàna mandritra dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaom | | |
| Opacity | S | D ₂ | NOx | | Strip | Electro | | Other (specif | v No monitor | . |
| monitor | m | <u>oni</u> tor | m <u>oni</u> tor | | c <u>hart</u> | da <u>ta l</u> | | in comments | | |
| 9. Control devic | e. | Description | of propose | d m | onitoring reco | rdkeeni | ing and | | ure compliance wit | |
| emission limit SEE ATTACHED DE | 2. 11 | iciude opera | ating paran | nete | ers of control de | vice (flo | ow rate, | temperature, pr | essure drop, etc.). | |
| | | | | | ×. | | | | | |

APC 101

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)

| Instructions for | more detail | s) | | | | | | |
|---|------------------------------------|------------------------------------|--------------------|-----------------------------------|-------------------------------------|--|-------------------------|---|
| Air contaminants | Average Emissions (Lbs./Hr.) | Maximum Emissions (Lbs./Hr.) | Concen- tration | Average Emissions (Ton/Yr.) | Potential Emissions (Ton/Yr.) | Emissions Estimation Method Code * | Control Devices * | Control Effi- ciency % |
| Particulate matter (PM) | | 0.00248 | ** | 0.00518 | | 3 | 001 | 99 |
| Sulfur dioxide (SO ₂) | | | *** | | | | | |
| Carbon monoxide (CO) | | | PPM | | | | | |
| Volatile organic compounds (VOC) | | | PPM | | | | | |
| Nitrogen oxides (NO _x) | | | PPM | | | Alexandra ya manazi kuta k ana ya kata ka | | |
| Hydrogen fluoride (HF) | | | alender in | | | | | |
| Hydrogen chloride (HCl) | | | | | ****** | | | |
| Lead (Pb) | | | | | A yaama daga sa sa sa sa sa | | | |
| Greenhouse gases (CO ₂ equivalents) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | V | |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | Hermonia and Anna and Anna an A |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | Contradication of the second |

11. Comments SEE ATTACHED DESCRIPTION AND FLOW DIAGARAMS

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 dr print) SHANE SPARKS | Title PLANT MANAGER | Phone number with area code |

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

** Exit gas particulate matter concentration units: Process – Grains/Dry Standard Ft³ (70°F), Wood fired boilers – Grains/Dry Standard Ft³ (70°F), all other boilers – Lbs. /Million BTU heat input.
 *** Exit gas sulfur diovide concentrations units: Process – Grains/Dry Standard Ft³ (70°F), wood fired 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



NON-TITLE V PERMIT APPLICATION SURFACE COATING DESCRIPTION

| | Туре о | or print. Sub | mit for e | | ray booth, ubmit with | | | her surface co | oatin | g equipme | ent. |
|------------------|--|------------------------------|---------------------|--|--|-------------------------|------------------|------------------------------------|---------------|---------------------------|---------------------------|
| | | | GENE | and the second | to a fill out of the second state of the | And the second second | | SCRIPTION | | | |
| | Organization's Tennessee Secr 3 INSTALLATION | retary of Sta | e and S te (SOS) | OS con | trol numb | | | | | | ion Source ence Number |
| | Is this air cont If Yes, list rule c CFR 63 SUBPART | itation, inclu | uding Pa | | | | | | 2 | No | |
| | | | | the second s | ATING OP | | | | | | |
| 4. #05 | Unique Source | ID (name/r | umber/ | letter t | hat unique | ely identi | fies th | is air contami | nant | source, lik | e Paint Line 1) |
| 5. | Type of coating | operation | Spray I | pooth | Dip tank | Other (de | escrib | e) | | | |
| 6. | Spray booth dimensions | Width (ft.) | | He | eight (ft.) | | Dept | th (ft.) | N | umber of | open sides |
| 7. | Method of spray: | Airless | Air ator | nized] | Airless | Electr Disc | ostati Air at | c omized | 1104-10 | erspray rcent) | Date purchased * |
| 8. | Exhaust data: | Number o | f fans | | Total ho | rsepowe | r | 2. | Tot | al volume | (CFM) |
| 9. | Exhaust | None | Water | wash | Exhaust | Ba | ffle | Adsorption | Oth | er (Descri | be) |
| | control: | | | | filters | pla | ates | ** | 02084021035 | -BED PACI UBBERS | KED |
| 10. | Exhaust | Diameter (| | | (Ft.) Above | 9 F | low (0 | CFM) | 6 | | numbers that |
| | stack data ** | 4.66/4 | | Grade | 39-39 | | | 55/37900 | | 10.000 | 081 |
| 11. | Control device with emission linetc.). | . Descriptio mits. Includ | n of pro e opera | posed ting par | monitorin ameters c | g, record of control | keepir devic | ng, and report e (flow rate, te | ing t empe | o assure c erature, pr | ompliance essure drop, |

* 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.

| | Base | %Solids | | Density | | Quantity use | d |
|-----------------------------|----------------------|--|------------------------|---------|-------------|---------------|----------|
| Coating name | [Water, Powder or | by | %Volatile by Weight | (Lbs. | Gallons/Day | | Gal./Mo. |
| | Solvent*] | Weight | by weight | /Gal.) | 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 | an a | 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.

APC 107

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)

| instructions for | more details | 5) | | | | | | |
|---|------------------------------------|------------------------------------|--------------------|------------------------------------|-------------------------------------|---|-------------------------|--|
| 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) | | 00.746 | | 0.0327 | | 3 | 001 | 99 |
| Sulfur dioxide (SO ₂) | | | | | | | | |
| Carbon monoxide (CO) | | | PPM | | 4 | | | |
| Volatile organic compounds (VOC) | | | PPM | | | - 1997 - Sooninger (d. p. ten er state er bener | | |
| Nitrogen oxides (NO _X) | | | PPM | | | | | |
| Hydrogen fluoride (HF) | | | | | | | | |
| Hydrogen chloride (HCl) | | | | | | | -1 | |
| Lead (Pb) | | | | | | | | |
| Greenhouse gases (CO ₂ equivalents) | | | | | | | | n an |
| Hazardous air pollutant (specify) | | | | | | | | enge fil en er ogsen en er ogsen er og |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | waaa oo ahaa ka k |
| Hazardous air pollutant (specify) | | | | | | | | |
| Hazardous air pollutant (specify) | | | | | | | | 14. |
| Hazardous air pollutant (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |
| Other (specify) | | | | | | | | |

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

| | | - Angenter and the second second second | APC 107 |
|--|-------------------------|---|---|
| EQUIPMENT DESCRIPTION | | | |
| 14. Equipment manufacturer JESSUP MANUFACTURING | Model number | Seri 0508 | al number (or plant ID) 31 |
| Construction date 4-1-2019 | | Мос | dification date |
| Describe any modifications* | | **** | |
| 15. Describe articles coated STEEL STRUT WILL BE COATED WITH NO CHROMIUM CONVERSION COATING | DN-CYANIDE ALKALINE | ZINC ELECT | ROPLATING WITH A TRIVALENT |
| 16. Comments REFERENCE OPERATING PERMIT #07662 | 26 THE ELECROPLATING | 5 MACHINE | S 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. | | | |
| knowledge. As specified in TCA Section | mation contained in thi | s applicatio | on is accurate and true to the best of my |
| 17. Signature | | | Date 2-2-2020 |
| Signer's name (type or print) SHANE SPARKS | Title PLANT MANAGER | | Phone number with area code 423-745-6588 |