

State of Tennessee
 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



APC 100

FEB 23 2016 AM 11:33

NON-TITLE V PERMIT APPLICATION FACILITY IDENTIFICATION

Please type or print and submit in duplicate for each emission source. Attach appropriate source description forms.				
SITE INFORMATION				
1. Organization's legal name THOMAS & BETTS CORPORATION			For APC use only	APC Company point no. 54-0047-08
2. Site name (if different from legal name)				APC Log/Permit no. 071391P
3. Site address (St./Rd./Hwy.) 260 DENNIS STREET			County name MCMINN	
City or distance to nearest town ATHENS		Zip code 37303	4. NAICS or SIC code 335932	
5. Site location (in lat. /long.)	Latitude 35.457389		Longitude 84.604261	
CONTACT INFORMATION (RESPONSIBLE PERSON)				
6. Responsible person/Authorized contact CHUCK GILREATH			Phone number with area code 423-745-6588	
Mailing address (St./Rd./Hwy.) 260 DENNIS STREET			Fax number with area code 423-745-9545	
City ATHENS	State TN	Zip code 37303	Email address CHUCK.GILREATH@TNB.COM	
CONTACT INFORMATION (TECHNICAL)				
7. Principal technical contact			Phone number with area code ~	
Mailing address (St./Rd./Hwy.)			Fax number with area code	
City	State	Zip code	Email address	
CONTACT INFORMATION (BILLING)				
8. Billing contact ACCOUNTS PAYABLE			Phone number with area code 423-745-6588	
Mailing address (St./Rd./Hwy.) 260 DENNIS STREET			Fax number with area code 423-745-9545	
City ATHENS	State TN	Zip code 37303	Email address	
EMISSION SOURCE INFORMATION				
9. Emission source no. (number which uniquely identifies this source) 060616P				
10. Brief description of emission source THIS APPLICATION IS FOR AN ELECTROPLATING MACHINE THAT COATS MANUFACTURING WITH ZINC TO PREVENT CORROSION. THE ELECTROPLATING LINE IS MADE HOLDING VARIOUS AQUEOUS SOLUTIONS OF CLEANERS, WATER RINSES, ACID-CHLORIDE ELECTROPLATING SOLUTION AND CHROMATE CONVERSIONS COATINGS				
11. Normal operation:	Hours/Day 24	Days/Week 5	Weeks/Year 50	Days/Year 250
12. Percent annual throughput	Dec. - Feb. 25%	March - May 25%	June - August 25%	Sept. - Nov. 25%

(Over)

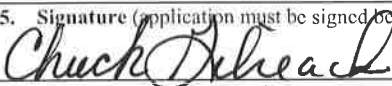
TYPE OF PERMIT REQUESTED				
13. Operating permit (<input checked="" type="checkbox"/>)	Date construction started	Date completed	Last permit no. 06016P	Emission source reference number 54-0047-08
Construction permit ()	Last permit no.		Emission source reference number	
If you choose Construction permit, then choose either New Construction, Modification, or Location transfer				
	New Construction ()	Starting date	Completion date	
	Modification ()	Date modification started or will start	Date completed or will complete	
	Location transfer ()	Transfer date	Address of last location	
14. Describe changes that have been made to this equipment or operation since the last construction or operating permit application:				
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 and any attached application(s) 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 (application must be signed before it will be processed)			Date	
			2/12/16	
Signer's name (type of print) CHUCK GILREATH		Title GROUP PLANT MANAGER	Phone number with area code 423-745-6588	

Table of Pollution Reduction Device or Method Codes

Note: For cyclones, settling chambers, wet scrubbers, and electrostatic precipitators; the efficiency ranges correspond to the following percentages:

High: 95-99+%. Medium: 80-95% And Low: Less than 80%.

If the system has several pieces of connected control equipment, indicate the sequence. For example: 008*010.97%

If none of the below codes fit, use 999 as a code for other and specify in the comments.

No Equipment.....	000	Limestone Injection – Dry.....	041
Activated Carbon Adsorption.....	048	Limestone Injection – Wet.....	042
Afterburner – Direct Flame.....	021	Liquid Filtration System.....	049
Afterburner – Direct Flame with Heat Exchanger.....	022	Mist Eliminator – High Velocity.....	014
Afterburner – Catalytic.....	019	Mist Eliminator – Low Velocity.....	015
Afterburner – Catalytic with Heat Exchanger.....	020	Process Change.....	046
Alkalized Alumina.....	040	Process Enclosed.....	054
Catalytic Oxidation – Flue Gas Desulfurization.....	039	Process Gas Recovery.....	060
Cyclone – High Efficiency.....	007	Settling Chamber – High Efficiency.....	004
Cyclone – Medium Efficiency.....	008	Settling Chamber – Medium Efficiency.....	005
Cyclone – Low Efficiency.....	009	Settling Chamber – Low Efficiency.....	006
Dust Suppression by Chemical Stabilizers or Wetting Agents.....	062	Spray Tower (Gaseous Control Only).....	052
Electrostatic Precipitator – High Efficiency.....	010	Sulfuric Acid Plant – Contact Process.....	043
Electrostatic Precipitator – Medium Efficiency.....	011	Sulfuric Acid Plant – Double Contact Process.....	044
Electrostatic Precipitator – Low Efficiency.....	012	Sulfur Plant.....	045
Fabric Filter – High Temperature.....	016	Vapor Recovery System (Including Condensers, Hooding and Other Enclosures).....	047
Fabric Filter – Medium Temperature.....	017	Venturi Scrubber (Gaseous Control Only).....	053
Fabric Filter – Low Temperature.....	018	Wet Scrubber – High Efficiency.....	001
Fabric Filter – Metal Screens (Cotton Gins).....	059	Wet Scrubber – Medium Efficiency.....	002
Flaring.....	023	Wet Scrubber – Low Efficiency.....	003
Gas Adsorption Column – Packed.....	050	Wet Suppression by Water Sprays.....	061
Gas Adsorption Column – Tray Type.....	051		
Gas Scrubber (General: Not Classified).....	013		

Table of Emission Estimation Method Codes

Not application / Emissions are known to be zero.....	0
Emissions based on source testing.....	1
Emissions based on material balance using engineering expertise and knowledge of process.....	2
Emissions calculated using emission factors from EPA publications No. AP-42 Compilation of Air Pollution Emissions Factors.....	3
Judgment.....	4
Emissions calculated using a special emission factor different from that in AP-42.....	5
Other (Specify in comments).....	6



NON-TITLE V PERMIT APPLICATION SURFACE COATING DESCRIPTION

Please type or print and submit in duplicate for each spray booth, dip tank, or other surface coating equipment. Attach to the Non-Title V Facility Identification Form (APC 100).							
GENERAL IDENTIFICATION AND DESCRIPTION							
1. Organization name THOMAS & BETTS CORPORATION					For APC use only	APC Company – Point no.	
2. Emission source no. (As on Non-Title V Facility Identification Form) 54-0047-08						APC Log/Permit no.	
EQUIPMENT DESCRIPTION							
3. Equipment manufacturer JESSUP			Model number UNKNOWN		Serial number (or plant ID) JESSUP PLATER		
Construction date 10-1-2006					Modification date N/A		
Describe any modifications* N/A							
4. Describe articles coated THE PARTS THAT WILL BE COATED ARE VARIOUS MANUFACTURED STEEL PARTS THAT ARE ACCESSORIES FOR FRAMING CHANNEL (SUPERSTRUT AND KINDORF). THESE PARTS WILL BE COATED WITH ELECTROPLATED ACID-ZINC CHLORIDE ZINC TO PREVENT CORROSION.							
COATING OPERATION DATA							
5. Type of coating operation			Spray booth		Dip tank X		Other (describe)
6. Spray booth dimensions (Ft.): →		Width	Height	Depth		Number of open sides	
7. Method of spray:		Airless	Air atomized	Electrostatic		Overspray (Percent)	Date purchased *
				Airless	Disc	Air atomized	
8. Exhaust data:		Number of fans 1		Total horsepower 40		Total volume (CFM) 39680	
9. Exhaust control:		None	Waterwash X	Exhaust filters	Baffle plates	Adsorption **	Other ** PACK-BED FUME SCRUBBER W
10. Exhaust stack data ***		Diameter (Ft.) 4'	Height (Ft.) Above Grade 22	Flow (CFM) 39680		Specify serial numbers. that share this vent JESSUP PLATER ONLY	

*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).

**Attach a detailed description.

***Complete one line for each stack or vent.

(Over)

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

MATERIAL DATA

11. Coatings and Thinners used:

List all types of coatings and thinners used and attach a statement of the chemical composition of each. This statement usually may be obtained from the coating or thinner 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 or thinner in pounds per gallon.

Line ID	Coating name	Base [Water, Powder or Solvent*]	%Solids by Wt.	%Volatile by Wt.	Density (Lbs. /Gal.)	Quantity used		
						Gallons/Day		Gal./Mo.
						Average	Maximum**	Average
A.	Acid-Chloride Zinc Soln.	Water	21	0.025	9.72	usage is	Due to	500 gallons
B.						from soln	surfactants	of Aq. Soln
C.						dragout	soln is usually	
D.							added	
E.								
F.								
G.								
H.								
I.								
J.								
K.								
L.								
M.	Thinner name NONE- AQUEOUS SOLUTION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N.								
O.								
P.								
Q.								
R.	Clean – up solvent name NONE-CLEAN UP WITH WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S.								
T.								
U.								
V.								

Notes:

* Name Solvent Base type

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