

From: [Air.Pollution Control](#)
To: [APC Permitting](#)
Subject: FW: Wegmann Automotive_75-0369_Permit Modification
Date: Monday, June 28, 2021 2:16:53 PM
Attachments: [Wegmann Automotive_75-0369-03_Permit Modification_f.pdf](#)

From: Jen Smith <jen@jb-air.com>
Sent: Monday, 28 June, 2021 13:40
To: Air.Pollution Control <Air.Pollution.Control@tn.gov>; Derek Briggs <Derek.Briggs@tn.gov>
Cc: Matt Jones <matt.jones@wegmann-automotive.com>; Pam Pursley <pam.pursley@wegmann-automotive.com>; Julie Darnell <julie.darnell@wegmann-automotive.com>
Subject: [EXTERNAL] Wegmann Automotive_75-0369_Permit Modification

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

Air Pollution Control,

On behalf of Wegmann Automotive USA Inc. (75-0369), please find enclosed a permit application requesting a production increase for Source 03.

If you have any questions, please do not hesitate to contact myself or Matt Jones.

Thank you!

Jen

Jen Smith - Air Quality Scientist
615-495-8755
jen@jb-air.com



June 28, 2021

Technical Secretary
Tennessee Dept. of Environment & Conservation
Division of Air Pollution Control
Permitting Program
William R. Snodgrass TN Tower, 15th Floor
312 Rosa L. Parks Avenue
Nashville, TN 37243

**Re: Wegmann Automotive USA Inc. [75-0369-03]
Permit Modification – Lead Extruder Operations**

Technical Secretary,


Wegmann Automotive USA Inc. (Wegmann) is pleased to provide the following application requesting a material input rate increase for Source 03 - Lead Extruder Operation (Department 76). Currently, the Lead Extruder Operation is limited to 800 lb/hr, this was originally based on a 2-shift operation, however the facility anticipates starting a 3rd shift which would require the facility to increase the material input rate.

The existing 800 lb/hr limit was derived based on 2 Extruders (EP01 and EP02) operating 400 lb/hr each; it should be noted that the existing 400 lb/hr limit was not based on 24 hrs/day operation. With the addition of the 3rd shift, Wegmann is requesting that each Extruder have the capacity to operate 625 lb/hr each or 1,250 lb/hr for both. Provided in Attachment A is a summary of the potential and actual emission calculations pertaining to the proposed increase.

Wegmann anticipates adding the 3rd shift by the third quarter this year, therefore please feel free to reach out if you have any questions or concerns.

If you require additional information or have any questions, please feel free to contact Jen Smith at 615-495-8755.

Sincerely,
Wegmann Automotive USA Inc.

A handwritten signature in dark ink, appearing to read "Matt Jones", with a long horizontal flourish extending to the right.

Matt Jones
Vice President - Operations

CC. Jen Smith (jen@jb-air.com)



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

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.												
GENERAL IDENTIFICATION AND DESCRIPTION												
1. Organization's legal name and SOS control number [as registered with the TN Secretary of State (SOS)] Wegmann Automotive USA Inc. [75-0369-03]												
2. Unique Source ID (name/number/letter which uniquely identifies this air contaminant source, like Boiler #1) Dept.76 (Source 03)												
3. Unique Emission Point ID (name/number/letter which uniquely identifies this emission point, like Stack #1) EU04 - Stack 5												
4. Brief description of air contaminant source (Attach a diagram if appropriate): Extruder pots												
5. Emission point location	Latitude 35.78397	Longitude -86.36320	6. Distance to nearest property line (Ft.) 100 ft									
STACK AND EMISSION DATA												
7. Stack or emission point data: →	Height above grade (Ft.) 29.33	Diameter (Ft.) 2ft x 4ft (estimate)	Temperature (°F) Ambient	% of time over 125°F	Direction of exit (Up, down or horizontal) Horizontal							
Data at exit conditions: →	Flow (actual Ft. ³ /Min.) 13,864 ft ³ /min	Velocity (Ft. /Sec.) 28.88 ft/sec	Moisture (Grains/Ft. ³) unknown		Moisture (Percent) unknown							
Data at standard conditions: →	Flow (Dry std. Ft. ³ /Min.) -	Velocity (Ft. /Sec.) -	Moisture (Grains/Ft. ³) -		Moisture (Percent) -							
8. Monitoring device and recording instrument (check all that apply): <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Opacity monitor <input type="checkbox"/></td> <td style="text-align: center;">SO₂ monitor <input type="checkbox"/></td> <td style="text-align: center;">NO_x monitor <input type="checkbox"/></td> <td style="text-align: center;">Strip chart <input type="checkbox"/></td> <td style="text-align: center;">Electronic data logger <input type="checkbox"/></td> <td style="text-align: center;">Other (specify in comments) <input type="checkbox"/></td> <td style="text-align: center;">No monitor (none) <input checked="" type="checkbox"/></td> </tr> </table>						Opacity monitor <input type="checkbox"/>	SO ₂ monitor <input type="checkbox"/>	NO _x 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 checked="" type="checkbox"/>
Opacity monitor <input type="checkbox"/>	SO ₂ monitor <input type="checkbox"/>	NO _x 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 checked="" type="checkbox"/>						
9. 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.). Routine inspections of the fabric filters and replacement of filters as required.												

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)	0.090	0.68	**	0.27	2.98	2	018	95
Sulfur dioxide (SO ₂)	0.0035	0.0052	***	0.011	0.023	2	018	
Carbon monoxide (CO)	0.49	0.72	PPM	1.48	3.16	2	018	
Volatile organic compounds (VOC)	0.032	0.047	PPM	0.097	0.21	2	018	
Nitrogen oxides (NO _x)	0.59	0.86	PPM	1.76	3.76	2	018	
Hydrogen fluoride (HF)								
Hydrogen chloride (HCl)								
Lead (Pb)	0.00022	0.0030		0.00065	0.013	2	018	
Greenhouse gases (CO ₂ equivalents)								
Hazardous air pollutant (specify)	0.011	0.016		0.033	0.071	2	018	
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Hazardous air pollutant (specify)								
Other (specify)								
Other (specify)								
Other (specify)								
Other (specify)								

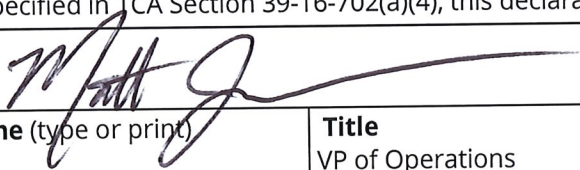
11. Comments

Note: Natural Gas emissions were based on 8,760 hrs/year operation in original applications; therefore there are no changes to emissions generated by natural gas.

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

6/28/21

Signer's name (type or print)

Matt Jones

Title

VP of Operations

Phone number with area code

615-893-0643

- * 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 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
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

APC 102

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)] Wegmann Automotive USA Inc. [75-0369-01]		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:			
4. Unique Source ID (see instructions) EP01		5. Unique Emission Point ID (see instructions) EP01	
6. Description of air contaminant source Large Extruder Sow Pot			
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)			<input type="checkbox"/>
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)			<input type="checkbox"/>
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)			<input checked="" type="checkbox"/>
PROCESS EMISSION SOURCE DESCRIPTION AND DATA			
8. Type of operation: Continuous <input type="checkbox"/> Batch <input checked="" type="checkbox"/>		Normal batch time 1.6 hrs	Normal batches/day 24/day
9. Process material inputs and In-process solid fuels	Diagram reference	Input rates (pounds/hour)	
		Design	Actual
A. Lead		625	625
B.			
C.			
D.			
E.			
F.			
G.			
Totals			

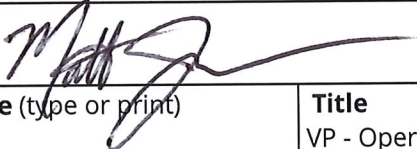
* A simple process flow diagram must be attached.

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***				
Rated horsepower		Rated input capacity (10 ⁶ BTU/Hr.) 1			Other rating (specify capacity and units)			
Date constructed		Date manufactured		Date of last modification (explain in comments below)				
** 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 Gas				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. 8.48	Cu. Ft. 1	Cu. Ft.	//////// ////////	//// ////	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 N/A								
13. If Wood is used with other fuels, specify percent by weight of wood charged to the burner. N/A								

14. Comments**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.

15. Signature 		Date 6/28/2021
Signer's name (type or print) Matt Jones	Title VP - Operations	Phone number with area code 615-893-0643



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

APC 102

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)] Wegmann Automotive USA Inc. [75-0369-01]			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:			
4. Unique Source ID (see instructions) EP02		5. Unique Emission Point ID (see instructions) EP02	
6. Description of air contaminant source Large Extruder Sow Pot			
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)			<input type="checkbox"/>
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)			<input type="checkbox"/>
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)			<input checked="" type="checkbox"/>
PROCESS EMISSION SOURCE DESCRIPTION AND DATA			
8. Type of operation: Continuous <input type="checkbox"/> Batch <input checked="" type="checkbox"/>		Normal batch time 1.6 hrs	Normal batches/day 24/day
9. Process material inputs and In-process solid fuels	Diagram reference	Input rates (pounds/hour)	
		Design	Actual
A. Lead		625	625
B.			
C.			
D.			
E.			
F.			
G.			
Totals			

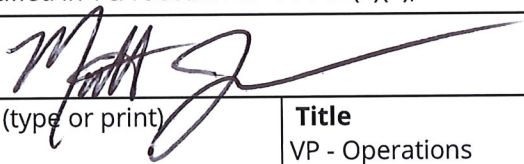
* A simple process flow diagram must be attached.

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***				
Rated horsepower		Rated input capacity (10 ⁶ BTU/Hr.) 1			Other rating (specify capacity and units)			
Date constructed		Date manufactured		Date of last modification (explain in comments below)				
** 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 Gas				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. 8.48	Cu. Ft. 1	Cu. Ft.	//////// ////////	//// ////	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 N/A								
13. If Wood is used with other fuels, specify percent by weight of wood charged to the burner. N/A								

14. Comments**SIGNATURE**

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15. Signature

Date

6/28/2021

Signer's name (type or print)

Matt Jones

Title

VP - Operations

Phone number with area code

615-893-0643

Attachment A
Emission Calculations

WEGMANN AUTOMOTIVE USA INC. [75-0369]
Emissions from Lead Processing Sources

TABLE 1: Lead Concentration & Lead Emissions

Table A: Potential to Emit

Department	Description	Chemical Analysis* mg/Kg	Percent Lead Concentration	Uncontrolled Tons PM Emitted	Uncontrolled Pb Emissions tons/year	Uncontrolled Pb Emissions lbs/year
Dept 67	Battery Bushing	1,130	0.11%	2.45	0.0028	5.54
Dept 76	Extruder	4,810	0.48%	2.69	0.013	25.9
Dept 77	Wheel Weight	3,180	0.32%	2.45	0.0078	15.6
					0.023	47.0

Department	Description	Uncontrolled Pb Emissions lb/hr	Uncontrolled Pb Emissions tons/year	Uncontrolled PM Emissions lb/hr	Uncontrolled PM Emissions tons/year
Stack 1	Wheel Weight	0.00059	0.0026	0.19	0.817
Stack 2	Wheel Weight	0.00059	0.0026	0.19	0.817
Stack 3	Wheel Weight	0.00059	0.0026	0.19	0.817
Stack 5	Extruder	0.0030	0.0129	0.61	2.69
Stack 6a	Battery Bushing	0.00032	0.0014	0.28	1.23
Stack 6b	Battery Bushing	0.00032	0.0014	0.28	1.23
Total		0.0054	0.0235	1.73	7.59

Table B: Actual Emissions

Source	Description	Chemical Analysis mg/Kg	Percent Lead Concentration	Controlled* Tons PM Emitted	Controlled* Pb Emissions tons/year	Controlled* Pb Emissions lbs/year
Dept 67	Battery Bushing	1,130	0.11%	0.12	0.00014	0.28
Dept 76	Extruder	4,810	0.48%	0.13	0.00065	1.29
Dept 77	Wheel Weight	3,180	0.32%	0.12	0.00039	0.78
*Includes 95% control efficiency					0.0012	2.35

Emission Unit	Description	Controlled Pb Emissions lb/hr	Controlled Pb Emissions tons/year	Controlled PM Emissions lb/hr	Controlled PM Emissions tons/year
Stack 1	Wheel Weight	0.000030	0.00013	0.0093	0.041
Stack 2	Wheel Weight	0.000030	0.00013	0.0093	0.041
Stack 3	Wheel Weight	0.000030	0.00013	0.0093	0.041
Stack 5	Extruder	0.000148	0.00065	0.0307	0.13
Stack 6A	Battery Bushing	0.000016	0.000069	0.0140	0.061
Stack 6B	Battery Bushing	0.000016	0.000069	0.0140	0.061
Total		0.00027	0.00117	0.087	0.38

TABLE 2: Facility Wide Emissions

POTENTIAL TO EMIT (TPY)								
Source ID	Description	NOx TPY	PM TPY	CO TPY	VOC TPY	SO2 TPY	HAPs TPY	Lead TPY
75-0369-01	Wheel Weight Operation	0.84	2.51	0.70	0.046	0.0050	0.016	0.0078
73-0369-02	Battery Bushing Operation	0	2.45	0	0	0	0	0.0028
75-0369-03	Lead Extruder Operation	3.76	2.98	3.16	0.21	0.023	0.071	0.013
TOTALS		4.6	7.9	3.9	0.25	0.028	0.087	0.023
ACTUAL EMISSIONS (TPY)								
Source ID	Description	NOx TPY	PM TPY	CO TPY	VOC TPY	SO2 TPY	HAPs TPY	Lead TPY
75-0369-01	Wheel Weight Operation	0.39	0.15	0.33	0.022	0.0024	0.007	0.00039
73-0369-02	Battery Bushing Operation	0	0.12	0	0	0	0	0.00014
75-0369-03	Lead Extruder Operation	1.76	0.27	1.48	0.10	0.011	0.033	0.00065
TOTALS		2.2	0.54	1.8	0.12	0.013	0.041	0.0012

POTENTIAL TO EMIT (TPY)								
Source Description	Emission Point ID	NOx TPY	PM TPY	CO TPY	VOC TPY	SO2 TPY	HAPs TPY	Lead TPY
Wheel Weight Operation	Stack 1	0.28	0.84	0.23	0.015	0.0017	0.0053	0.0026
	Stack 2	0.28	0.84	0.23	0.015	0.0017	0.0053	0.0026
	Stack 3	0.28	0.84	0.23	0.015	0.0017	0.0053	0.0026
Lead Extruder Operation	Stack 5	3.76	2.98	3.16	0.21	0.023	0.071	0.013
Battery Bushing Operation	Stack 6a	0	1.23	0	0	0	0	0.0014
	Stack 6b	0	1.23	0	0	0	0	0.0014
ACTUAL EMISSIONS (TPY)								
Source Description	Emission Point ID	NOx TPY	PM TPY	CO TPY	VOC TPY	SO2 TPY	HAPs TPY	Lead TPY
Wheel Weight Operation	Stack 1	0.13	0.050	0.11	0.0072	0.00078	0.0025	0.00013
	Stack 2	0.13	0.050	0.11	0.0072	0.00078	0.0025	0.00013
	Stack 3	0.13	0.050	0.11	0.0072	0.00078	0.0025	0.00013
Lead Extruder Operation	Stack 5	1.76	0.27	1.48	0.097	0.011	0.033	0.00065
Battery Bushing Operation	Stack 6a	0	0.060	0	0	0	0	0.000069
	Stack 6b	0	0.060	0	0	0	0	0.000069

TABLE 3a: EMISSION EVALUATION (Uncontrolled)Operating Schedule:

8760 hrs/year

Actual Production:

Wheel Weights 25,000,000 lbs
 Segment Style Weights 7,000,000 lbs
 Battery Bushing 8,500,000 lbs

Current Emissions

Process Name	SCC	Throughput		Emission Factor		Control Efficiency %	Potential Emissions	
		(tons/yr)	tons/hr	PM10 lb/ton	Lead lb/ton		PM tons/yr	Lead tons/yr
Pot Furnace	3-04-004-01	20,250	2.31	0.20	0.00	0%	2.02	0.0000
Casting (fugitive)	3-04-004-25	20,250	2.31	0.0020	0.00070	0%	0.02	0.0071
Casting	3-04-004-09	20,250	2.31	0.040	0.010	0%	0.40	0.101
TOTAL							2.45	0.11

Proposed Production:

Wheel Weights 25,000,000 lbs
 Segment Style Weights 10,950,000 lbs
 Battery Bushing 8,500,000 lbs

*NEW LIMIT***Projected Emissions**

Process Name	SCC	Throughput		Emission Factor		Control Efficiency %	Potential Emissions	
		(tons/yr)	tons/hr	PM10 lb/ton	Lead lb/ton		PM tons/yr	Lead tons/yr
Pot Furnace	3-04-004-01	22,225	2.54	0.20	0.00	0%	2.22	0.000
Casting (fugitive)	3-04-004-25	22,225	2.54	0.0020	0.00070	0%	0.02	0.008
Casting	3-04-004-09	22,225	2.54	0.040	0.010	0%	0.44	0.111
TOTAL							2.69	0.12

TABLE 3b: EMISSION EVALUATION (Controlled)Operating Schedule:

8760 hrs/year

Actual Production:

Wheel Weights 25,000,000 lbs
 Segment Style Weights 7,000,000 lbs
 Battery Bushing 8,500,000 lbs

Current Emissions

Process Name	SCC	Throughput		Emission Factor		Control Efficiency %	Potential Emissions	
		(tons/yr)	tons/hr	PM10 lb/ton	Lead lb/ton		PM tons/yr	Lead tons/yr
Pot Furnace	3-04-004-01	20,250	2.31	0.20	0.00	95%	0.10	0.0000
Casting (fugitive)	3-04-004-25	20,250	2.31	0.0020	0.00070	95%	0.00	0.0071
Casting	3-04-004-09	20,250	2.31	0.040	0.010	95%	0.02	0.101
TOTAL							0.12	0.11

Proposed Production:

NEW LIMIT

Wheel Weights 25,000,000 lbs
 Segment Style Weights 10,950,000 lbs
 Battery Bushing 8,500,000 lbs

Projected Emissions

Process Name	SCC	Throughput		Emission Factor		Control Efficiency %	Potential Emissions	
		(tons/yr)	tons/hr	PM10 lb/ton	Lead lb/ton		PM tons/yr	Lead tons/yr
Pot Furnace	3-04-004-01	22,225	2.54	0.20	0.00	95%	0.11	0.000
Casting (fugitive)	3-04-004-25	22,225	2.54	0.0020	0.00070	95%	0.00	0.008
Casting	3-04-004-09	22,225	2.54	0.040	0.010	95%	0.02	0.111
TOTAL							0.13	0.12

WEGMANN AUTOMOTIVE

Department 76
Emission Point EP01 and EP02
Description Extruder Sow Pot
Firing rate 1.00 MMBtu/hr
 6,000 MMBTU/yr
Number of Sources 2

Assumptions used in the following calculations:

MMSCF to MMBtu = 1,020 Btu/SCF-NG
 Hours of use per year = 6,000 hours/year
 Conversion for lbs to tons = 2,000 lbs/ton

Pollutant	AP-42 EF (lb/10 ⁶ scf)	Converted EF (lb/MMBtu)	Individual Emissions		Combined Emissions	
			Maximum (lb/hr)	Maximum (tons/yr)	Maximum (lb/hr)	Maximum (tons/yr)
NO _x	100	9.80E-02	9.80E-02	2.94E-01	5.88E-01	1.76E+00
PM	7.6	7.45E-03	7.45E-03	2.24E-02	4.47E-02	1.34E-01
CO	84	8.24E-02	8.24E-02	2.47E-01	4.94E-01	1.48E+00
SO ₂	0.6	5.88E-04	5.88E-04	1.76E-03	3.53E-03	1.06E-02
VOC	5.5	5.39E-03	5.39E-03	1.62E-02	3.24E-02	9.71E-02
HAPs	1.9	1.85E-03	1.85E-03	5.55E-03	1.11E-02	3.33E-02