

INSPECTION REPORT FORM
AIR POLLUTION EMISSION SOURCES

FACILITY: GLR Ventures, Inc. d/b/a Apollo Marble Products		DISTRICT: Central	COUNTY: Brevard
ADDRESS: 1355 White Drive, Titusville, Florida 32780		CONTACT: Robert McDermott, President 321-268-0713 Bob@apollomarble.com	
APIS #: 0090214	PERMIT #: 0090214-001-AF	EXPIRATION DATE: 10/30/2009	
SOURCE DESCRIPTION: Cast Polymer Facility			
INSPECTION DATE: March 14, 2007	AUDIT TYPE:	COMPLIANCE STATUS: In-compliance	
<p>INSPECTION COMMENTS/RECOMMENDATIONS:</p> <p>Ms. Caroline Shine and Ms. Meriem Diouri, Florida Department of Environmental Protection representatives visited the site on March 14, 2007 to conduct the facility's annual compliance inspection. GLR Ventures, Inc. d/b/a Apollo Marble Products is an active synthetic minor facility that specializes in manufacturing kitchen and bathroom countertops and sinks primarily using a cast polymer manufacturing process. This process includes application of gel coat; hand and automated cast polymer production; and curing, grinding, sanding, buffing, and final clean up. The primary air pollutants are Volatile Organic Compounds ("VOC") and particulate matter. The primary Hazardous Air Pollutant ("HAP") is styrene. The particulate matter is controlled by a Torit air filter system at the finishing booth, a gravity collector system and M2500 air filtering systems.</p> <p>Ms. Shine and Ms. Diouri met with Mr. Robert McDermott, the president of GLR Ventures, Inc. d/b/a Apollo Marble Products, and the manager of the facility. The consecutive 12-month records and Material Safety Data Sheets ("MSDS") for January 2004 to February 2007 were obtained and reviewed to determine compliance with the facility's air permit. As the permit requires, the company calculates VOC/HAP emission rates of gelcoat using the "Unified Emission Factors for Open Molding of Composites" table. The styrene emissions for the resin are determined using an emission factor of .02. This factor was used in the permit application. Ms. Shine noted the VOC/HAP spreadsheet formula had an error. The formula did not include all columns for adding the total styrene present in resin; however the difference was 950 lbs. The company fixed the spreadsheet while the inspectors are on site. Ms. Shine suggested that the spreadsheet labeling could be more descriptive.</p> <p>Company representatives presented a copy of the 2006 Annual Operating Report, correlating the logs numbers with the number report in this document. The permit restricts the facility's VOC emission rate and the combined HAP emissions to less than 25 tons per consecutive 12 months. Individual HAP emissions are limited to less than 10 tons per consecutive 12 months. With the exception of the correction noted above, the records complied with the limitations and conditions specified in the permit 0090214-001-AF Specific Condition 7. Copies of the records were obtained for the compliance files.</p>			
INSPECTOR(S) NAME(S):			
SIGNATURE(S):		DATE:	

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<p>INSPECTION COMMENTS/RECOMMENDATIONS:</p> <p>After reviewing the records, Ms. Shine and Ms. Diouri toured the facility with Mr. McDermott and the manager.</p> <p>A few containers were observed to be opened during the inspection. The workers were changing shifts, and little activities were ongoing at the time. These were immediately closed when the inspector brought this to the attention of the company representatives. The Torit air filter system, spray booths, and woodworking system were observed by the inspectors. The company uses about 48 gallons of toluene stripper called Mold Release TR-210 per year. Ms. Shine informed Mr. McDermott this product is Hazardous Air Pollutant ("HAP"), and should be included in VOC/HAPS reports. Atomized Spray guns are used in the Spray booth. The company uses a heat tunnel, approximately 45 feet long, in its curing process. The tunnel is fueled by propane. The Torit mixing system allows the company to do automated mixing of the resins, rather than manual hand mixing. The process is used both for vapor control and application control. The resin is drawn from totes and mixed with catalysts within this system.</p> <p>In the wood working area, the company uses about 6 (15.8 ounces) containers of adhesives per week [0.7 gallons/week, or 36 gallons/year]. From the MSDS the product contains up to 48% Methyl Methacrylate("MMA") by weight, which is a HAP. The product has a density of 1.06. A maximum emission from the adhesive application is approximately 144 lbs/year of the MMA. No activities were ongoing the woodworking area during the time of the inspection. The company has an old cyclone like equipment that is used to control particulate dust from the operation, but the unit was inoperative. The company refers to it as a baghouse rather than a cyclone. No bags are associated with this unit.</p> <p><u>Summary</u> Operating Conditions of the Permit was met. The few opened containers were closed during the inspection. No Visible Emissions were noted during the inspection. No objectionable odors detected No testing is required until 90 days prior to October 30, 2009. Supporting Documents, i.e. MSDS are kept on site</p> <p>(12 mo consecutive period ending Jan 06-Dec06 from log)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Emission Limits</th> <th style="text-align: left;">Allowable VOC</th> <th style="text-align: left;">Actual</th> <th style="text-align: left;">Allowable Ind. HAP</th> <th style="text-align: left;">Highest Actual Ind. HAP</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"><25t/yr</td> <td style="text-align: center;">6.48t/12 mo.</td> <td style="text-align: center;"><10t/12 mo</td> <td style="text-align: center;">6.48t/12</td> </tr> </tbody> </table> <p>(during 12 mo consecutive period Jan 06-Dec06 from log)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Permitted Material Usage Rates</th> <th style="text-align: left;">Allowable</th> <th style="text-align: left;">Highest Actual Observed</th> </tr> </thead> <tbody> <tr> <td>Resins</td> <td style="text-align: center;">24.4 t</td> <td style="text-align: center;">34,780 lb(17 tons/12 mo cons)</td> </tr> <tr> <td>Gelcoat</td> <td style="text-align: center;">260 t/12 mo</td> <td style="text-align: center;">474,851 lb(238 tons/12 mo cons)</td> </tr> </tbody> </table>			Emission Limits	Allowable VOC	Actual	Allowable Ind. HAP	Highest Actual Ind. HAP		<25t/yr	6.48t/12 mo.	<10t/12 mo	6.48t/12	Permitted Material Usage Rates	Allowable	Highest Actual Observed	Resins	24.4 t	34,780 lb(17 tons/12 mo cons)	Gelcoat	260 t/12 mo	474,851 lb(238 tons/12 mo cons)
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