



**Auto Body Refinishing Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.436**

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The PBR forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division Web site at: [www.tceq.state.tx.us/permitting/air/nav/air\\_pbr.html](http://www.tceq.state.tx.us/permitting/air/nav/air_pbr.html).

This PBR (§ 106.436) requires registration with the commission’s Office of Permitting, Remediation, and Registration in Austin before construction begins. The facility can be registered by completing [Form PI-7](#), “Registration for Permits by Rule,” or [Form PI-7-CERT](#), “Certification and Registration for Permits by Rule.” This checklist should accompany the registration form.

**SECTION I**     **The total coating and solvent usage rate is less than a half pint per hour.** *(Registration is not required)*

**SECTION II**   **The total coating and solvent usage rate is less than two gallons per week.** *(Registration is not required)*

**SECTION III**   **The total coating and solvent usage rate is greater than two gallons per week.** *(Registration is required)*

**Note:** If the facility is subject to SECTION III, an approved registration letter must be received from the executive director before construction of the facility begins.

CHECK THE MOST APPROPRIATE ANSWERS AND FILL IN THE BLANKS			
Rule	Questions/Description	Information	Response
<b>SECTION I. The total coating and solvent usage rate is less than a half pint per hour.</b>			
(2)(A)	Do spray operations use less than a half pint of coatings and solvents per hour?  <i>If “YES,” answer <u>only</u> the questions in SECTION I. If “NO,” go to SECTION II.</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)	Is good housekeeping practiced, equipment maintained in good working order, and all waste disposed of properly?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(4)	Are there any visible emissions from any of the auto body shop stacks, windows, doors, or other openings?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(16)	Will the owner or operator of the shop set up and maintain a centralized recordkeeping system that includes Material Safety Data Sheets (MSDS), monthly coatings purchases or usage records, and hazardous waste management records and keep records for a consecutive 24-month period?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(17)	Has the shop ensured that it will <u>not</u> create a nuisance as defined in <a href="#">30 TAC § 101.4</a> ?		<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: If the auto body shop meets all the requirements listed in SECTION I above, registration is <u>not</u> required. The auto body refinishing shop owner or operator should retain this checklist and keep records.</i>			



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Rule	Questions/Description	Information	Response
<b>SECTION II. The total coating and solvent usage rate is less than two gallons per week.</b>			
(2)(B)	Do spray operations use less than two gallons of coatings and solvents per week?  <i>If "YES," answer <u>only</u> the questions in SECTION II. If "NO," go to SECTION III.</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)	Is good housekeeping practiced, equipment maintained in good working order, and all waste disposed of properly?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(4)	Are there any visible emissions from any of the auto body shop stacks, windows, doors, or other openings?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(7)	Do the over-spray filters on all spray booths, spray areas, and preparation areas have a particulate matter (PM) control efficiency of 90% or greater?	Indicate the manufacturer's rated control efficiency:  _____ %	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)	Is high transfer efficiency spray equipment used	Check all that apply: <input type="checkbox"/> High Volume-Low Pressure <input type="checkbox"/> Airless <input type="checkbox"/> Air-Assisted Airless <input type="checkbox"/> Electrostatic <input type="checkbox"/> Other: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)	What is the transfer efficiency of the spray equipment used?  <i>Note: The transfer efficiency must be at least 65% in accordance with <a href="#">30 TAC § 115.422</a>.</i>	Indicate the manufacturer's rated control efficiency:  _____ %	
(11)(A)	What is the tallest building within 200 feet of the auto body shop exhaust stack(s)?  <i>Note: The height of the building should be measured from the ground to the peak of the roof.</i>	Indicate the tallest building: <input type="checkbox"/> Another building <input type="checkbox"/> Auto Body Shop _____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO
(11)(B)	Is the auto body shop filter stack(s) at least 1.2 times the peak roof height measurement in Question (11)(A)?	_____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO
(11)(C)	Will the auto body shop filter stack(s) be at least as high as the ground level elevation within 250 feet from the facility in any direction?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(12)	Is the exhaust stack from any spray booth, spray area, and/or preparation area at least 50 feet from any residence, recreation area, school, church, child care facility, or medical/dental facility?	Indicate the actual distance:  _____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO



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Rule	Questions/Description	Information	Response
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**SECTION II. The total coating and solvent usage rate is less than two gallons per week. (continued)**

(14)	List the volatile organic compound (VOC) content of the refinishing coatings to be used as required by <a href="#">30 TAC § 115.421</a> .  <i>Note: The VOC contents must be within the specified limits. The VOC content can be found on the Material Safety Data Sheet for the coating which can be obtained from the coating manufacturer.</i>		
	<b>Coating Category</b>	<b>Coating Limit (lb VOC/gal)</b>	<b>Actual VOC (lb VOC/gal)</b>
	Primers or Primer Surfaces	5.0	
	Pre-coats	5.5	
	Pretreatments	6.5	
	Single-stage Topcoats	5.0	
	Basecoat/Clear Coat Systems	5.0	
	Three-stage System	5.2	
	Specialty Coating	7.0	
	Sealers	6.0	
	Wipe-down Solutions	1.4	
(17)	Has the shop ensured that it will <u>not</u> create a nuisance as defined in <a href="#">30 TAC § 101.4</a> ?		<input type="checkbox"/> YES <input type="checkbox"/> NO

*Note: If the auto body shop meets all the requirements listed in SECTION II above, registration is not required. The auto body refinishing shop owner or operator should retain this checklist and keep records.*

**SECTION III. The total coating and solvent usage rate is greater than two gallons per week.**

(1)	Did you provide <a href="#">Form PI-7</a> or <a href="#">Form PI-7-CERT</a> as part of this registration request?	<input type="checkbox"/> Form PI-7 <input type="checkbox"/> Form PI-7-CERT	<input type="checkbox"/> YES <input type="checkbox"/> NO
(1)	Do you understand that an authorization letter must be received from the commission before construction of the facility begins?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)	Is good housekeeping practiced, equipment maintained in good working order, and all waste disposed of properly?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(4)	Are there any visible emissions from any of the auto body shop stacks, windows, doors, or other openings?		<input type="checkbox"/> YES <input type="checkbox"/> NO



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Rule	Questions/Description	Information	Response
<b>SECTION III. The total coating and solvent usage rate is greater than two gallons per week. (continued)</b>			
(5)	<p>Do spray coating operations cover pieces/sections LARGER than nine square feet (ft<sup>2</sup>) and take place in a totally enclosed and filtered spray booth or spray area?</p> <p><i>Note: The intake area must be less than 100 ft<sup>2</sup>. To determine the air intake area, multiply the height and width for each opening through which air enters into the booth and add the results together.</i></p> <p><i>If "YES," the spray area must meet (5)(A) or (5)(B) below.</i> <i>If "NO," skip to Question (6).</i></p>	<p>Indicate the air intake if the operation is performed in an enclosed area:</p> <p>_____ ft<sup>2</sup></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(A)	<p>Does the spray booth or spray area have a fan capacity of at least 10,000 cubic feet per minute (cfm)?</p>	<p>_____ cfm</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)	<p>Does the spray booth or spray area have a face velocity of at least 100 feet per minute (fpm)?</p> <p><i>Note: To calculate the face velocity (fpm), divide the fan capacity (fpm) by the air intake area (ft<sup>2</sup>).</i></p>	<p>_____ fpm</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(6)	<p>Do spray coating operations cover piece/sections SMALLER than nine square feet (ft<sup>2</sup>) and take place in a totally enclosed and filtered spray booth or spray area that meets all the criteria in Question (5)?</p> <p><i>If "YES," go to Question (7)</i> <i>If "NO," answer the following questions.</i></p>		<input type="checkbox"/> YES <input type="checkbox"/> NO
(6)(A)	<p>Will the preparation area ventilation system be operated during spraying?</p>		<input type="checkbox"/> YES <input type="checkbox"/> NO
(6)(A)	<p>Will the ventilation system vent solvent vapors and particulate matter from the spraying operation through a stack to the atmosphere, or will the air be re-circulated back into the shop through a carbon adsorption system?</p> <p><i>If a carbon adsorption system is used, answer Question (6)(B).</i> <i>If the ventilation system vents through a stack to the atmosphere, go to Question (6)(C).</i></p>	<p>Indicate the system used:</p> <p><input type="checkbox"/> Through a stack to the atmosphere</p> <p><input type="checkbox"/> Recirculated into the shop through a carbon adsorption system</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(6)(B)	<p>If the preparation area is equipped with a carbon adsorption system will the carbon canister be replaced at the manufacturer's recommended intervals to minimize solvent emissions?</p>		<input type="checkbox"/> YES <input type="checkbox"/> NO



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<b>SECTION III. The total coating and solvent usage rate is greater than two gallons per week (continued)</b>			
(6)(C)	Will the preparation area ventilation system be equipped with a filter or filter system to control paint overspray?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(7)	Do the over-spray filters on all spray booths, spray areas, and preparation areas have a particulate matter (PM) control efficiency of 90% or greater?	Indicate the manufacturer's rated control efficiency: _____ %	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)	Is high transfer efficiency spray equipment used?	Check all that apply: <input type="checkbox"/> High Volume-Low Pressure <input type="checkbox"/> Airless <input type="checkbox"/> Air-assisted Airless <input type="checkbox"/> Electrostatic <input type="checkbox"/> Other: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)	What is the transfer efficiency of the spray equipment used?  <i>Note: The transfer efficiency must be at least 65% in accordance with <a href="#">30 TAC § 115.422</a>.</i>	Indicate the name and vapor pressure of the solvent(s) used: Solvent: _____ Pressure: _____ mmHg	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)	Are non-enclosed cleaners used?  <i>If "YES," answer the following questions. If "NO," skip to Question (9)(C).</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(A)	Will non-enclosed solvents have a vapor pressure less than 100 millimeters of mercury (mmHg) at 68 degrees Fahrenheit?  <i>Note: 100 mmHg = 1.933 pounds per square inch (psi), and 68 degrees Fahrenheit = 20 degrees Celsius.</i>	Indicate the name and vapor pressure of the solvent(s) used:  Solvent: _____  Pressure: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(A)	Does the non-enclosed cleaner drain directly to a remote reservoir?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(B)	Will all waste solvents and other cleaning materials be kept in closed containers?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(C)	Will all waste solvents and other cleaning materials be kept in closed containers?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)	Will heaters, drying ovens, or curing ovens be used to dry and/or cure coatings after application?  <i>If "YES," answer the following questions If "NO," skip to Question (11).</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO



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(10)	What is the heat source for the heater(s), drying oven(s), or curing oven(s)?	Indicate heat source: <input type="checkbox"/> Electricity <input type="checkbox"/> Natural Gas <input type="checkbox"/> Liquefied Petroleum Gas	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)	If the heater, drying oven, or curing oven is not electric, is the maximum heating rate of the unit(s) less than or equal to 5 million British thermal units per hour (MMBtu/hr)?	Indicate rating: _____ MMBtu/hr	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)	Will waste coatings, solvents, oils or other automotive fluids be used as fuel?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(11)(A)	What is the tallest building within 200 feet of the auto body shop exhaust stack(s)?  <i>Note: The height of the building should be measured from the ground to the peak of the roof.</i>	Indicate the tallest building:  <input type="checkbox"/> Another building <input type="checkbox"/> Auto body shop _____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO
(11)(B)	Is the auto body shop filter stack(s) at least 1.2 times the peak roof height measurement in Question (11)(A)?	_____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO
(11)(C)	Will the auto body shop filter stack(s) be at least as high as the ground level elevation within 250 feet from the facility in any direction?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(12)	Is the exhaust stack from any spray booth, spray area, and/or preparation area at least 50 feet from any residence, recreation area, school, church, child care facility, or medical/dental facility?	Indicate the actual distance: _____ feet	<input type="checkbox"/> YES <input type="checkbox"/> NO
(13)	Are rain caps, goose neck exhaust, or other stack heads used?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(14)	List the volatile organic compound (VOC) content of the refinishing coatings used as required by <a href="#">30 TAC § 115.421</a> .  <i>Note: The VOC contents must be within the specified limits. The VOC content can be found on the Material Safety Data Sheet for the coating which can be obtained from the coating manufacturer.</i>		



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<b>SECTION III. The total coating and solvent usage rate is greater than two gallons per week (continued)</b>			
	<b>Coating Category</b>	<b>Coating Limit (lb VOC/gal)</b>	<b>Actual VOC (lb VOC/gal)</b>
	Primers or Primer Surfacers	5.0	
	Pre-coats	5.5	
	Pretreatments	6.5	
	Single-stage Systems	5.0	
	Basecoat/Clear Coat System	5.0	
	Three-stage Topcoats	5.2	
	Specialty Coatings	7.0	
	Sealers	6.0	
	Wipe-down Solutions	1.4	
(15)	List the usage rates of the refinishing coatings used as required by <a href="#">30 TAC § 115.421</a> .  <i>Note: The usage rates must be within the specified limits.</i>		
	<b>Coating Category</b>	<b>Coating Limit (gal/month)</b>	<b>Estimated Usage (gal/month)</b>
	Cleanup Solvents	50	
	Wipe Solvents	50	
	Pre-coats	50	
	Pretreatments	50	
	Sealers	50	
	Primers or Primer Surfaces	175	
	Topcoats	320	
	Specialty Coating	50	



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<b>SECTION III. The total coating and solvent usage rate is greater than two gallons per week</b>			
(16)	Will the owner or operator of the shop set up and maintain a centralized recordkeeping system that includes Material Safety Data Sheets (MSDS), monthly coatings purchases or usage records, and hazardous waste management records, and keep records for a consecutive 24-month period?		<input type="checkbox"/> YES <input type="checkbox"/> NO
(17)	Has the shop ensured that it will <u>not</u> create a nuisance as defined in <a href="#">30 TAC § 101.4</a> ?		<input type="checkbox"/> YES <input type="checkbox"/> NO
	Other Applicable Rules and Regulations	Why or Why Not	Response
	Is the facility subject to <a href="#">40 CFR Part 60, NSPS Subpart MM</a> for automobile and light duty truck surface coating operations?		<input type="checkbox"/> YES <input type="checkbox"/> NO
	Is the facility subject to <a href="#">40 CFR Part 63, MACT Subpart IIII</a> for automobile and light duty truck surface coating operations?		<input type="checkbox"/> YES <input type="checkbox"/> NO

**Record Keeping:** In order to demonstrate compliance with the general and specific requirements of this PBR, the owner or operator of the shop must set up and maintain a centralized recordkeeping system that includes Material Safety Data Sheets (MSDS), monthly coatings purchases or usage records, and hazardous waste management records, and keep records for a consecutive 24-month period. The registrant should also become familiar with the additional record keeping requirements in [30 TAC § 106.8](#). The records must be made available immediately upon request to the commission or any air pollution control program having jurisdiction. If you have any question about the type of records that should be maintained, contact the Air Program in the [TCEQ Regional Office](#) for the region in which the site is located.

**Recommended Calculations Methods:** In order to demonstrate compliance with this PBR, the registrant may use the emission factors for each air contaminant from the EPA Compilation of Air Pollutant Emission Factors (AP-42), Fifth Edition, Volume 1, Chapter 4: Evaporation Loss Sources at: [www.epa.gov/ttn/chief/ap42/index.html](http://www.epa.gov/ttn/chief/ap42/index.html).