TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Applicant
Rick Case Davie, LLC.
3550 Weston Road
Davie, Florida 33331

Site
Rick Case Hyundai
3550 Weston Road
Weston, Florida 33331
Facility ID No. 0112699

Project
Construction Permit
Air Permit No. 0112699-003-AC

County
Broward County, Florida

Permitting Authority
Environmental Protection and Growth Management Department
Pollution Prevention Division – Air Quality Program
One North University Drive, Suite 203, Plantation, Florida 33324
954-519-1260 * Fax: 954-519-1495

November 16, 2015

1. APPLICATION INFORMATION

1.1. Applicant Name and Address

Rick Case Davie, LLC.
3550 Weston Road
Davie, Florida 33331

Authorized Representative:

1.2. Facility Location

Rick Case Hyundai is located at 3550 Weston Road, Weston, Broward County, Florida. The latitude 26°04'19.48" N and 80°22'03.58", respectively. The red pin in the map below depicts the site location of the facility.

1.3. Facility Description

The facility operates an automotive dealership facility consisting of car storage and sales, car maintenance and a paint and body shop collision center. The air emission sources consist of two Garmat Model 42106 Chinook II paint spray booths, and one Garmat Model No. 99945 paint mixing room used to paint or touch-up of automobiles.

2. PROPOSED PROJECT

2.1. Project Description

The purpose of this construction permit application is to obtain an after-the-fact construction permit. The facility is regulated under a surface coating general permit (GP), but it exceeded the usage limit of this general permit making this operation no longer subject to the general permit. A non-Title V state permit is required at this time. This facility is a true minor source at the present time. There are no applicable compliance testing requirements.

1.2. Permitting History since Last Renewal

Permit	Project Type	Permit Number	Issue Date	Expiration Date
Operation	Initial GP	0112699-001-AG	10/15/2007	10/21/2012
Operation	GP Renewal	0112699-002-AG	5/5/2013	5/5/2018
Construction	After-the-fact Construction Permit	0112699-003-AC	In process	In process

3. APPLICATION REVIEW

3.1. Facility Regulations

Title III: The facility is a minor source of hazardous air pollutants (HAP).

Title V: The facility is a minor source of volatile organic compounds (VOC) in accordance with Chapter 62-213 (Title V), Florida Administrative Code (F.A.C.).

PSD: The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

Objectionable Odors. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

VOC or Organic Solvents Emissions. The owner or operator shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the PPD.
[Rule 62-296.320(1) (a), Reasonable Assurance, Rule 62-4.070(3), F.A.C]

Summary of Federal Regulations	EU	Summary of State of Florida Statutes and Regulations	EU
N/A		Chapter 403, Florida Statutes, 62-4 F.A.C. - Permits, 62-210 F.A.C. - Stationary Sources.	FAC WIDE
		62-296.320(2), F.A.C. - Objectionable Odor-Facility-wide. 62-296.320(1) (a), F.A.C. - VOC or Organic Solvent Emissions –Facility-wide. -	FAC WIDE
		62-4.070(3), F.A.C. – Reasonable Assurance-Recordkeeping and Reporting Requirements.	001
Summary of Broward County Regulations			
Chapter 27 Air Pollution Control, Article IV, Sec. 27-175(b) & (a). These regulations refer to: Concealment of emissions (b) & Maintenance (a) (Not federally enforceable)	FAC WIDE		

3.2 Emission Units

The emission units (EU) is:

E.U. ID No.	Brief Description
001	Two (2) Garmat Model No. 42106 (27'L x 10'W x 10' -10"H) Chinook II, pit-less downdraft spray booths with recycle on bake and direct natural gas-fired burners; and power air intake and exhaust; and one (1) Garmat Model No. 99945 paint mixing room (6' x 14' -10").

4.0 Emissions

4.1 Potential Emissions

The formula spray-time is as follows: Five minutes per coat. Three coats of basecoat and three coats of clear coat make a total of six coats, times five minutes per coat gives us a total of thirty minutes of total spray time per vehicle.
The maximum number of vehicles per day, per Spray Booth on an eight-hour shift is FIVE. This includes preparation time, drying, and other minor activities.
Most vehicles are partially painted, i.e. doors, fenders, a.s.f. Only a small fraction are full painted.

NO. OF VEHICLE PER SHIFT	5 EA PER 8-HR SHIFT PER BOOTH
NO. OF VEHICLE PER SHIFT	10 EA PER 8-HR SHIFT ON 2 BOOTHS

POTENTIAL				XYLENE	TOTAL HAPS	VOC
NO. OF VEHICLE PER DAY	30 @ 3 shifts/day	30				
NO. OF VEHICLE PER YEAR	30 X 365=	10,950				
AVG. GAL/VEHICLE		0.34				
AVG. GAL/YEAR	10,950 X 0.34=	3,723				
AVG (LBS/GAL)				0.71	1.98	3.82
LBS/YEAR	3,723 X .....=			2,642	7,372	14,222
TONS/YEAR				1.3	3.7	7.1
LBS/HR				0.30	0.84	1.62

5.0 Preliminary Determination

The PPD makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based upon the technical review of the application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Olga M. Ibarra, P.E. is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting Ms. Ibarra at the Permitting Authority's name and address, by phone 954-519-1275, or by Email oibarra@broward.org.

6.0. Conclusion

Pursuant to the preliminary determination, the PPD recommends issuance of the construction permit no. 0112699-003-AC.