Joseph J.

California Environmental Protection Agency AIR RESOURCES BOARD	APRILIA S.p.A.	EXECUTIVE ORDER M-43-4 New On-Road Motorcycles

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following 2001 model-year engine and emission control systems (ECS) produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles:

Engine Family	Evaporative Family	Displacement (cm^3)	Class	ECS & Special Features
1ASPC0.99MEA	1ASPE0024MLA	998	III	OC, SFI

Vehicle Models (Equivalent Inertia Mass): SL 1000, RSV 1000, RSV 1000R (300 kg each model)

Production motorcycles shall be in all material respects the same as those for which certification is granted.

The exhaust emission standards and certification values in grams per kilometer for hydrocarbons (HC) and carbon monoxide (CO), and the HC evaporative (Evap) standard and certification value in grams per test for this engine/evaporative family are as follows:

	HC	CO	Evap HC
Standard: (Effective Standard)	1.4	12	2.0 (1.8)
Certification:	0.6	2	1.0

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That because the listed motorcycles are certified to 0.2 grams per test or more below the applicable evaporative emission standard, the vehicles are exempt from complying with the Air Resources Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" pursuant to Executive Order G-70-16-E.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

Executed at El Monte, California this 23rd day of March 2001.

Raphael Susnowitz

for R. B. Summerfield, Chief
Mobile Source Operations Division

Motorcycle Engine Family Information Form

1. Manufacturer: **Aprilia S.p.A.**

2. Certification Contact Person, address, phone, and fax:

Kathleen H. Wolf
Harrison / Wolf
1275 N. Indian Hill Blvd.
Claremont, CA 91711
tel. (909) 626-1395
fax (909) 626-2906

3. Model Year: **2001**

4. Process Code: **new**
(new, correction, revision, r/c, f/f, etc.)

5. Engine Family: **1ASPC0.99MEA**
50s Engine Code: _____
49s Engine Code: _____
Calif. Engine Code: _____

6. Emission Control System: **OC, SFI**

7. Calif. Designated Standard:

8. Projected Annual Sales:
CONFIDENTIAL

9. New Technology ___ Yes **X** No
If yes, cite the correspondence or reference the submittal document: _____

10. Displacement: **998 cc**

11. Number of Cylinders: **2**

12. Cylinder Arrangement: **60°V**

13. Cylinder Head Configuration: **DOHC**

14. Type of Cooling: **liquid**

15. Combustion Cycle: **4-stroke**

16. Method of Aspiration: **natural**

17. Fuel System: **SFI**

18. Number of Catalytic Converters: **2**
(one per muffler)

19. Adjustable Parameters: **N/A**

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved

20. AECDs In the Emission Control Systems:

Exhaust System	Evaporative System
AECDs In System: _____	AECDs In System: _____

Engine Family: 1ASPC0.99MEA

Motorcycle Test Information Form

0.12

27. Are you carrying over test results from a previously certified family? ___ Yes X No
    a) If yes, indicate family name: _____
    b) Is the family being certified identical to the family from which the data is being carried over? _____

28. Model Designation of Test Vehicle: **SL 1000**

29. Test Information Number: **1**

30. Vehicle ID: **ZD4PAC000YS100001**

31. Service Accumulation Duration: **15,000 (km)**

32. Maximum Rated Power: **65 kW @ 8,500 RPM**

33. Displacement: **998 cc**

34. Certification Fuel: **Indolene**

35. Test Data Set: **001**

36. Road Load: **135.4 nt**

37. Inertia Mass: **300**

38. N/V: **37.0**

39. EVAP. Bench Test Method Approved:
    Date: **N/A**

    Reference: _____

40. Unscheduled Maintenance: ____ Yes X No

41. If yes, Vehicle Log provided: _____

42. Exhaust Emission Deterioration Factors:

		Emission Values	
Test Number	System Kilometers	HC	CO
1	3516	0.939	6.680
2	8036	0.890	6.878
3	8076	0.709	3.618
4	14814	0.630	1.737
5			
6			
7			
Interpolated Values at 15000 km:		**HC = 0.618**	**CO = 1.866**
Extrapolated Values at 30000 km:		**HC = 0.211**	**CO = -4.853**

Check one:	
Regular DF	X
Modified DF	
If different vehicle specify vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4		Deterioration Factors
g/km	CO	1.737				(X)	1.000
g/km	CO^2	128.671					_____
g/km	HC	0.630				(X)	1.000
g/test	Evap.	0.512				(+)	0.5

44. Certification Levels:

g/km	CO	1.737			
g/km	HC	0.630			
g/test	Evap.	1.012			

Application Processed by: Joseph Jegede Date: 3/23/01
Reviewed by: K. Pryor Date: 3/23/01