California Environmental Protection Agency AIR RESOURCES BOARD	MERCURY MARINE	EXECUTIVE ORDER U-W-001-0081 New Spark-Ignition Marine Engines

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43013, 43018, 43101, 43102 and 43104; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following new spark-ignition marine engine and emission control systems (ECS) produced by the manufacturer are certified as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	FUEL TYPE	DISPLACEMENT (cc)	LEVEL OF CLEANLINESS
2005	5M9XM.2092G0	Gasoline	209	Ultra Low Emission ("Three Stars")

EQUIPMENT APPLICATION	ECS & SPECIAL FEATURES	ENGINE TYPE
Outboard	Engine Modification	4-Stroke

ENGINE MODELS (rated power in kilowatts, kW)	See Attachment

BE IT ORDERED AND RESOLVED: That the listed engines are certified to a hydrocarbon plus oxides of nitrogen (HC+NOx) family emission limit (FEL) in accordance with a plan submitted by the manufacturer to, and approved by, the Executive Officer for compliance with the exhaust emission standard on a corporate average basis pursuant to Title 13, California Code of Regulations, (13 CCR) Sections 2442(a)(1) and (a)(2). The FEL shall be the applicable emission standard for this engine family for determining compliance of any engine within this engine family pursuant to 13 CCR Sections 2444.1 (in-use compliance) and 2446 (audit testing). The FEL and certification emission level in grams per kilowatt-hour (g/kW-hr) for this engine family are as follows. Engines in this engine family shall have closed crankcases in conformance with Part I, Section 18(h) of the "California Exhaust Emission Standards and Test Procedures for 2001 Model-Year and Later Spark-Ignition Marine Engines."

	FAMILY EMISSION LIMIT (g/kW-hr)	CERTIFICATION LEVEL (g/kW-hr)
HC+NOx	24.00	20.63

Compliance with the emission standard on a corporate average basis shall be determined pursuant to 13 CCR Sections 2442(a)(2)(D) and 2442(a)(2)(F) based on the sales-weighted average power of all engines produced for sale in California that are included in the approved corporate average compliance plan for the model-year.

BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), and Sections 2445.1 and 2445.2 (emission control system warranty).

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

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter pursuant to 13 CCR Section 2442(a)(2)(B).

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 28TH day of January 2004.

Allen Lyons, Chief
Mobile Source Operations Division

ATTACHMENT 1 OF 2

Model Year: ____2005_____
Manufacturer Name: ___Mercury Marine_____
Engine Family: _____5M9XM.2092G0_____
SI MARINE ENGINE SUPPLEMENTAL INFORMATION.

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S10. MODEL SUMMARY (Use asterisk to identify worst-case engine model used for certification testing)

S11 Model Designation	S12 Engine Code	S13 Sales Codes (Check all appropriate codes)			S14 Eng. Disp. (cc)	S15 Rated Power (kW)	S16 Rated Speed (RPM)	S17 Peak Torque (N-m)	S18 Peak Torque
		Calif. Only	49 State	50-State					
1F08201DK				X	209	5.89	5500	24	3500
7F08201TK				X	209	5.89	5500	24	3500
* 1F08211DK				X	209	5.89	5500	24	3500
7F08211TK				X	209	5.89	5500	24	3500
1F08301DK				X	209	5.89	5500	24	3500
7F08301TK				X	209	5.89	5500	24	3500
1F08311DK				X	209	5.89	5500	24	3500
7F08311TK				X	209	5.89	5500	24	3500
1F10201DK				X	209	7.28	5500	28	4750
7F10201TK				X	209	7.28	5500	28	4750
1F10211DK				X	209	7.28	5500	28	4750
7F10211TK				X	209	7.28	5500	28	4750
1F10204DV				X	209	7.28	5500	28	4750
1F10251DK				X	209	7.28	5500	28	4750
1F10263DK				X	209	7.28	5500	28	4750
1F10301DK				X	209	7.28	5500	28	4750
7F10301TK				X	209	7.28	5500	28	4750
1F10311DK				X	209	7.28	5500	28	4750
7F10311TK				X	209	7.28	5500	28	4750

ATTACHMENT 2 of 2

Model Year: ____2005_____
Manufacturer Name: ___Mercury Marine_____
Engine Family: _____5M9XM.2092G0_____
SI MARINE ENGINE SUPPLEMENTAL INFORMATION.

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S11 Model Designation	S12 Engine Code	S13 Sales Codes (Check all appropriate codes)			S14 Eng. Disp. (cc)	S15 Rated Power (kW)	S16 Rated Speed (RPM)	S17 Peak Torque (N-m)	S18 Peak Torque
		Calif. Only	49 State	50-State					
1F10302DK				X	209	7.28	5500	28	4750
7F10312TK				X	209	7.28	5500	28	4750
1F08211DK				X	209	7.28	5500	28	4750
1F10351DK				X	209	7.28	5500	28	4750
1F10352DK				X	209	7.28	5500	28	4750
1F10361DK				X	209	7.28	5500	28	4750
1F10451DK				X	209	7.28	5500	28	4750
1F10452DK				X	209	7.28	5500	28	4750
)312DK				X	209	7.28	5500	28	4750
1F10452DK				X	209	7.28	5500	28	4750
1F10452DK				X	209	7.28	5500	28	4750
1F08201DM				**X**	**209**	**5.89**	**5500**	**24**	**3500**
1F10201DM				**X**	**209**	**7.28**	**5500**	**28**	**4750**