California Environmental Protection Agency AIR RESOURCES BOARD	MERCURY MARINE	EXECUTIVE ORDER U-W-001-0164 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
2007	7M9XM02.62G0	Gasoline	2598	Ultra Low Emission ("Three Stars")

EQUIPMENT APPLICATION	ECS & SPECIAL FEATURES	ENGINE TYPE
Outboard	Multiport Fuel Injection, Supercharger	4-Stroke

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

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	25.00	15.29

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 3 day of November 2006.

Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT 1 of 4

Model Year: ____2007_____ **Page: _____**
Manufacturer Name: ___Mercury Marine_____ **Issued: 11/3/06**
Engine Family: _____7M9XM02.62G0_____ **Revised: 6/15/07**
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0164**

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 Speed (RPM)
		Calif. Only	49 State	50-State					
7200V23ZD				X	2598	147.15	6100	643	2500
7225V13ZD				X	2598	165.54	6100	635	3500
7225V23ZD				X	2598	165.54	6100	635	3500
7225V24ZD				X	2598	165.54	6100	635	3500
7250V23ZD				X	2598	183.94	6100	656	3500
7250V24ZD				X	2598	183.94	6100	656	3500
7275V23ZD				X	2598	205.15	6100	675	4250
7275V24ZD				X	2598	205.15	6100	675	4250
1200V13HD				X	2598	147.15	6100	643	2500
1200V23HD				X	2598	147.15	6100	643	2500
1200V24HD				X	2598	147.15	6100	643	2500
1225V13HD				X	2598	165.54	6100	635	3500
1225V23HD				X	2598	165.54	6100	635	3500
1225V24HD				X	2598	165.54	6100	635	3500
1225V33HD				X	2598	165.54	6100	635	3500
1225V34HD				X	2598	165.54	6100	635	3500
1250V13HD				X	2598	183.94	6100	656	3500
1250V23HD				X	2598	183.94	6100	656	3500
1250V24HD				X	2598	183.94	6100	656	3500
1250V33HD				X	2598	183.94	6100	656	3500
1250V34HD				X	2598	183.94	6100	656	3500

ATTACHMENT 2 of 4

Model Year: ____2007_____ **Page: _____**
Manufacturer Name: ___Mercury Marine_____ **Issued: 11/3/06**
Engine Family: _____7M9XM02.62G0_____ **Revised: 6/15/07**
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0164**

*1275V13HD				X	2598	205.15	6100	337	4250
1275V23HD				X	2598	205.15	6100	337	4250
1275V24HD				X	2598	205.15	6100	337	4250
1275V34HD				X	2598	205.15	6100	337	4250
1200V13ED				X	2598	147.15	6100	321	2500
1200V13ER				X	2598	147.15	6100	321	2500
7200V13ID				X	2598	147.15	6100	321	2500
7200V13IR				X	2598	147.15	6100	321	2500
1200V23ED				X	2598	147.15	6100	321	2500
1200V23ER				X	2598	147.15	6100	321	2500
1200V23ID				X	2598	147.15	6100	321	2500
7200V23ID				X	2598	147.15	6100	321	2500
1200V24ED				X	2598	147.15	6100	321	2500
1200V24ER				X	2598	147.15	6100	321	2500
7200V24IR				X	2598	147.15	6100	321	2500
1225V13ED				X	2598	165.54	6100	318	3500
1225V13ER				X	2598	165.54	6100	318	3500
7225V13ID				X	2598	165.54	6100	318	3500
7225V13IR				X	2598	165.54	6100	318	3500
1225V23ED				X	2598	165.54	6100	318	3500
1225V23ER				X	2598	165.54	6100	318	3500
7225V23ID				X	2598	165.54	6100	318	3500
7225V23IR				X	2598	165.54	6100	318	3500
1225V24ED				X	2598	165.54	6100	318	3500
1225V24ER				X	2598	165.54	6100	318	3500
7225V24ID				X	2598	165.54	6100	318	3500

ATTACHMENT 3 of 4

Model Year: ____2007_____ **Page:** _____
Manufacturer Name: ___Mercury Marine_____ **Issued:** 11/3/06
Engine Family: _____7M9XM02.62G0_____ **Revised:** 6/15/07
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#:** U-W-001-0164

7225V24IR				X	2598	165.54	6100	318	3500
1225V33ED				X	2598	165.54	6100	318	3500
1225V33ER				X	2598	165.54	6100	318	3500
1225V34ED				X	2598	165.54	6100	318	3500
1225V34ER				X	2598	165.54	6100	318	3500
1250V13ED				X	2598	183.94	6100	318	3500
1250V13ER				X	2598	183.94	6100	318	3500
7250V13ID				X	2598	183.94	6100	318	3500
1250V23ED				X	2598	183.94	6100	318	3500
1250V23ER				X	2598	183.94	6100	318	3500
7250V23ID				X	2598	183.94	6100	318	3500
7250V23IR				X	2598	183.94	6100	318	3500
1250V24ED				X	2598	183.94	6100	318	3500
1250V24ER				X	2598	183.94	6100	318	3500
7250V24ID				X	2598	183.94	6100	318	3500
7250V24IR				X	2598	183.94	6100	318	3500
1250V33ED				X	2598	183.94	6100	318	3500
1250V33ER				X	2598	183.94	6100	318	3500
1250V33ED				X	2598	183.94	6100	318	3500
1250V34ER				X	2598	183.94	6100	318	3500
1275V13ED				X	2598	205.15	6100	318	4250
1275V13ER				X	2598	205.15	6100	318	4250
1275V23ED				X	2598	205.15	6100	318	4250
1275V23ER				X	2598	205.15	6100	318	4250
7275V23ID				X	2598	205.15	6100	318	4250
7275V23IR				X	2598	205.15	6100	318	4250
1275V24ED				X	2598	205.15	6100	318	4250

ATTACHMENT 4 of 4

Model Year: ____2007_____ **Page: _____**
Manufacturer Name: ___Mercury Marine_____ **Issued: 11/3/06**
Engine Family: _____7M9XM02.62G0_____ **Revised: 6/15/07**
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0164**

1275V24ER				X	2598	205.15	6100	318	4250
7275V24ID				X	2598	205.15	6100	318	4250
7275V24IR				X	2598	205.15	6100	318	4250
1275V33ED				X	2598	205.15	6100	318	4250
1275V34ED				X	2598	205.15	6100	318	4250
1300V13ED				X	2598	220.06	6100	385	4500
1300V13ER				X	2598	220.06	6100	385	4500
1300V23ED				X	2598	220.06	6100	385	4500
1300V23ER				X	2598	220.06	6100	385	4500
7300V23ID				X	2598	220.06	6100	385	4500
7300V23IR				X	2598	220.06	6100	385	4500
1300V24ED				X	2598	220.06	6100	385	4500
1300V24ER				X	2598	220.06	6100	385	4500
7300V24ID				X	2598	220.06	6100	385	4500
7300V24IR				X	2598	220.06	6100	385	4500
1300V33ED				X	2598	220.06	6100	385	4500
1300V34ED				X	2598	220.06	6100	385	4500
1300V14ED				X	2598	220.06	6100	385	4500
1276V23HD				X	2598	205.15	6100	318	4250