California Environmental Protection Agency AIR RESOURCES BOARD	MERCURY MARINE	EXECUTIVE ORDER U-W-001-0195 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
2008	8M9XM03.02C0	Gasoline	3044, 3159	Very Low Emission ("Two Stars")

EQUIPMENT APPLICATION	ECS & SPECIAL FEATURES	ENGINE TYPE
Outboard	Direct Fuel Injection	2-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	27.00	24.96

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 28 day of November 2007.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT 1 of 3

Model Year: ____2008____ **Page: _____**
Manufacturer Name: ___Mercury Marine____ **Issued: _____**
Engine Family: ____8M9XM03.02C0_____ **Revised: _____**
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0195**

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					
1200E84HY				X	3044	147.15	5375	366.1	3500
1225D73HY			X		3044	165.54	5375	359.3	3500
1225E73HY			X		3044	165.54	5375	359.3	3500
7225D83IY			X		3044	165.54	5375	359.3	3500
7225D73IY			X		3044	165.54	5375	359.3	3500
1225E73EY			X		3044	165.54	5375	359.3	3500
1225D73EY			X		3044	165.54	5375	359.3	3500
1200E84EY				X	3044	147.15	5375	366.1	3500
1225E94EY			X		3044	165.54	5375	359.3	3500
1225E93EY			X		3044	165.54	5375	359.3	3500
1225E84EY			X		3044	165.54	5375	359.3	3500
1225E83EY			X		3044	165.54	5375	359.3	3500
1225D94EY			X		3044	165.54	5375	359.3	3500
1200D84EY				X	3044	147.15	5375	366.1	3500
1225D93EY			X		3044	165.54	5375	359.3	3500
1225D84EY			X		3044	165.54	5375	359.3	3500
1225D83EY			X		3044	165.54	5375	359.3	3500
7200D73IY				X	3044	147.15	5375	366.1	3500
7200D83IY				X	3044	147.15	5375	366.1	3500
1200E73EY				X	3044	147.15	5375	366.1	3500
1200D73EY				X	3044	147.15	5375	366.1	3500

ATTACHMENT 2 of 3

Model Year: ____2008____ **Page:** _____
Manufacturer Name: ___Mercury Marine____ **Issued:** _____
Engine Family: ____8M9XM03.02C0_____ **Revised:** _____
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0195**

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					
1200D83EY				X	3044	147.15	5375	366.1	3500
1200E83EY				X	3044	147.15	5375	366.1	3500
1225E83HY				X	3044	165.54	5375	359.3	3500
1200D73HY				X	3044	147.15	5375	366.1	3500
1200E73HY				X	3044	147.15	5375	366.1	3500
7225D83ZY			X		3044	165.54	5375	359.3	3500
7225D73ZY			X		3044	165.54	5375	359.3	3500
1225D84HY			X		3044	165.54	5375	359.3	3500
*1225D83HY			X		3044	165.54	5375	359.3	3500
1225D94HY			X		3044	165.54	5375	359.3	3500
1225D93HY			X		3044	165.54	5375	359.3	3500
1225E84HY			X		3044	165.54	5375	359.3	3500
1225E93HY			X		3044	165.54	5375	359.3	3500
7200D83ZY				X	3044	147.15	5375	366.1	3500
7200D73ZY				X	3044	147.15	5375	366.1	3500
1200D83HY				X	3044	147.15	5375	366.1	3500
1200D84HY				X	3044	147.15	5375	366.1	3500
1200E83HY				X	3044	147.15	5375	366.1	3500
193247FHH				X	3159	220.73	5800	650	4500
193247GHH				X	3159	220.73	5800	703.8	4500
193247BHH				X	3159	220.73	5800	650	4500
193247DHH				X	3159	220.73	5800	703.8	4500
193241BHH				X	3159	220.73	5800	703.8	4500
193241DHH				X	3159	220.73	5800	703.8	4500

ATTACHMENT 3 of 3

Model Year: ____2008____ **Page:** _____
Manufacturer Name: ___Mercury Marine____ **Issued:** _____
Engine Family: ____8M9XM03.02C0_____ **Revised:** _____
SI MARINE ENGINE SUPPLEMENTAL INFORMATION. **E.O.#: U-W-001-0195**

193241PHH				X	3159	220.73	5800	650	4500
193241CHH				X	3159	220.73	5800	650	4500
193241QHH				X	3159	220.73	5800	703.8	4500
193241EHH				X	3159	220.73	5800	703.8	4500
193248GHH				X	3159	220.73	5800	703.8	4500
19324B3HH				X	3159	220.73	5800	703.8	4500
19324B4HH				X	3159	220.73	5800	703.8	4500
19324C3HH				X	3159	220.73	5800	703.8	4500
19324C4HH				X	3159	220.73	5800	703.8	4500
19324BPHH				X	3159	220.73	5800	650	4500
19324BCHH				X	3159	220.73	5800	650	4500
19324CPHH				X	3159	220.73	5800	650	4500
19324CCHH				X	3159	220.73	5800	650	4500
19324BQHH				X	3159	220.73	5800	703.8	4500
19324BEHH				X	3159	220.73	5800	703.8	4500
19324CQHH				X	3159	220.73	5800	703.8	4500
19324CEHH				X	3159	220.73	5800	703.8	4500
19JP48KHH				X	3044	138	5800	717	4500
19JP48LHH				X	3044	138	5800	717	4500
19JP49KHH				X	3044	138	5800	717	4500
19JP49LHH				X	3044	138	5800	717	4500