

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER RM-19-001**

**Spark-Ignition Marine Watercraft Evaporative Emissions System Components**

**Yamaha Motor Corporation U.S.A.  
Fuel Tank**

WHEREAS, pursuant to California Health and Safety Code, sections 39600, 39601, and 43013, the California Air Resources Board (ARB) has established a certification process for evaporative emissions system components designed to control gasoline emissions from spark-ignition marine watercraft (SIMW), as described in California Code of Regulations, title 13, section 2856;

WHEREAS, pursuant to California Health and Safety Code, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emissions system components with the design requirements in Cal. Code Regs., tit. 13, §2855;

WHEREAS, pursuant to Cal. Code Regs., tit. 13, § 2856, ARB Executive Officer may issue an executive order (EO) if he or she determines that SIMW evaporative emissions system components conform to the applicable performance requirements set forth in Cal. Code Regs., tit. 13, § 2855; and

WHEREAS, pursuant to California Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued EO G-17-006 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify SIMW evaporative system components.

NOW, THEREFORE, I, Catherine Dunwoody, Chief of MLD, find that the Yamaha Motor Corporation U.S.A. fuel tank representative models listed in Table 1 conform with the 0.7 grams/meter<sup>2</sup>/day permeation performance requirements set forth in Cal. Code Regs., tit. 13, § 2855, when tested at a constant temperature of 28°C pursuant to test procedure TP-1504 using an approved test fuel of California Phase III Reformulated fuel.

IT IS ORDERED AND RESOLVED that the Yamaha Motor Corporation U.S.A. fuel tank models described in Table 1 with 0.047 inches in minimum Polyamide (PA11) barrier thickness is certified for use in SIMW introduced into commerce in California.

Table 1

Specifications for Yamaha Motor Corporation U.S.A. fuel tank models in family YMXPTANKPA1:			
Component Type Model Number	Minimum PA11 barrier layer thickness (in.)	Minimum Volume/Internal Surface Area Ratio (in <sup>3</sup> / in <sup>2</sup> )	Test Emission Rate (grams/meter <sup>2</sup> /day)
YMXPTANKPA1	0.047	2.30	0.3 at 28°C

IT IS FURTHER ORDERED that Yamaha Motor Corporation U.S.A. shall provide a warranty to watercraft manufacturers purchasing any of the Yamaha Motor Corporation U.S.A. fuel tank models listed in Table 1. The warranty must conform to the requirements of Cal. Code Regs., tit. 13, § 2861.

IT IS FURTHER ORDERED that the certified Yamaha Motor Corporation U.S.A. fuel tank models listed in Table 1 shall be installed in accordance with the manufacturer's installation and use instructions for the Yamaha Motor Corporation U.S.A. fuel tank models. A copy of this EO and fuel tank installation and use instructions shall be provided to original watercraft manufacturers purchasing Yamaha Motor Corporation U.S.A. fuel tank models listed in Table 1 for installation on spark-ignition marine engines and watercraft introduced into commerce in California.

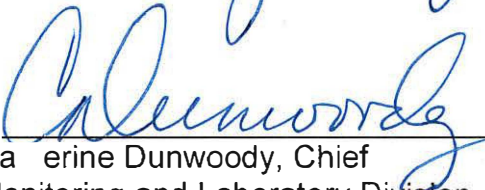
IT IS FURTHER ORDERED that the Yamaha Motor Corporation U.S.A. fuel tank models listed in Table 1 and introduced into commerce in California shall be clearly identified by a permanent identification that includes model number YMXPTANKPA1.

IT IS FURTHER ORDERED that any alteration to the Yamaha Motor Corporation U.S.A. fuel tank models listed in Table 1 and certified hereby is prohibited. Any alteration or modification of the designs approved by this EO will require the manufacturer to apply for a new EO.

IT IS FURTHER ORDERED that the Yamaha Motor Corporation U.S.A. fuel tank models as listed in Table 1 shall be compatible with fuels in common use in California at the time of certification, and any modifications to comply with future California fuel requirements shall be approved in writing by the Executive Officer or Executive Officer's delegate.

IT IS FURTHER ORDERED that the component certification of the Yamaha Motor Corporation U.S.A. fuel tank model listed in Table 1 can be referenced in certification applications for spark-ignition marine engines and watercraft that use spark-ignition marine engines unless the Executive Officer finds that the Yamaha Motor Corporation U.S.A. fuel tank model listed in Table 1 no longer meet the performance requirements set forth in Cal. Code Regs., tit. 13, § 2855, when tested pursuant to Cal. Code Regs., tit. 13, § 2864.

Executed at Sacramento, California, this 17<sup>th</sup> day of January 2019.

  
Catherine Dunwoody, Chief  
Monitoring and Laboratory Division