

**State of California
AIR RESOURCES BOARD**

EXECUTIVE ORDER RM-19-004

Spark-Ignition Marine Watercraft Evaporative Emissions System Components

**Nichirin Co., Ltd.
Fuel Hose**

WHEREAS, pursuant to California Health and Safety Code, sections 39600, 39601, and 43013, the California Air Resources Board (CARB) 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, CARB has established criteria and test procedures for determining the compliance of evaporative emissions system components with the design requirements in Cal. Code Regs., title 13, section 2855;

WHEREAS, pursuant to Cal. Code Regs., title 13, section 2856, CARB 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., title 13, section 2855; and

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

NOW, THEREFORE, I, Catherine Dunwoody, Chief of MLD, find that the Nichirin Co., Ltd. fuel hose representative model, ME4, conforms with the 10 grams/meter²/day permeation performance requirements set forth in Cal. Code Regs., title 13, section 2855, when tested at a constant temperature of 23°C pursuant to test procedure SAE J30 using an approved test fuel of Phase III certification fuel.

IT IS ORDERED AND RESOLVED that the Nichirin Co., Ltd. fuel hose models listed in Table 1 with 1.6 +0.2/-0.1 mm minimum barrier thickness are certified for use in SIMW introduced into commerce in California.

Table 1

Models and Specifications for Nichirin Co., Ltd. Fuel Hose			
Component Type Model Number	Nominal Inside Diameters (mm)	Minimum FKM Barrier Thickness (mm)	Test Emission Rate (grams/meter ² /day)
ME4	7.5 +/- 0.4 or greater	1.6 + 0.2/-0.1	<4

IT IS FURTHER ORDERED that Nichirin Co., Ltd. shall provide a warranty to watercraft manufacturers purchasing any of the Nichirin Co., Ltd. fuel hose models listed in Table 1. The warranty must conform to the requirements of Cal. Code Regs., title 13, section 2861.

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

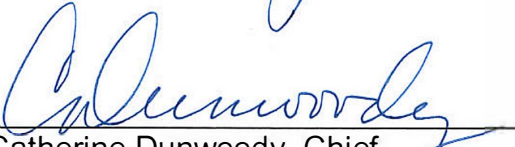
IT IS FURTHER ORDERED that the Nichirin Co., Ltd. fuel hose models listed in Table 1 and introduced into commerce in California shall be clearly identified by a permanent identification that includes RM-19-004.

IT IS FURTHER ORDERED that any alteration to the Nichirin Co., Ltd. fuel hose 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 Nichirin Co., Ltd. fuel hose 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 Nichirin Co., Ltd. fuel hose models 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 Nichirin Co., Ltd. fuel hose models listed in Table 1 no longer meet the performance requirements set forth in Cal. Code Regs., title 13, section 2855, when tested pursuant to Cal. Code Regs., title 13, section 2864.

Executed at Sacramento, California, this 28th day of June 2019.


Catherine Dunwoody, Chief
Monitoring and Laboratory Division