State of California
AIR RESOURCES BOARD

Component Executive Order C-U-05-001

ITT Industries Fluid Handling Systems- Fuel Hose

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 emission system components designed to control gasoline emissions from small off-road engines, as described in Title 13 California Code of Regulations (13 CCR), section 2767.1; and

WHEREAS: Pursuant to California Health and Safety Code Sections 43013 ARB has established criteria and test procedures for determining the compliance of evaporative emission system components with the design requirements in 13 CCR, section 2754; and

WHEREAS: Pursuant to13 CCR Section 2767.1 the ARB Executive Officer may issue an Executive Order if she determines that the small off-road engine evaporative emission system component conforms to the applicable performance requirements set forth in 13 CCR Section 2754; and

WHEREAS: Pursuant to Health and Safety Code Sections 39515 and 39516, the ARB Executive Officer issued Executive Order G-05-008 delegating to the Chief of the ARB Monitoring and Laboratory Division the authority to certify small off-road engine evaporative system components; and

WHEREAS: I, William V. Loscutoff, Chief of the Monitoring and Laboratory Division, find that the ITT Industries Fluid Handling Systems LoPerm 2550 Fuel Hose conforms with the performance requirements set forth in the 13 CCR Section 2754 when tested at a constant temperature of 60 °C pursuant to SAE J1737 using an approved test fuel of CE-10.

IT IS ORDERED AND RESOLVED: That the following small off-road engine fuel hoses manufactured by ITT Industries Fluid Handling Systems are certified for use in small off-road equipment.

Table 1
Dimensions and Tolerances for LoPerm 2550 Fuel Hose

Nom size (mm)	Inside Diameter (mm)	Wall Thickness (mm)	Minimum Barrier Thickness (mm)
8.0 or greater	6.0 ± 0.10	1.025 ± 0.125	0.20 +/- 0.05

IT IS FURTHER ORDERED: That ITT Industries Fluid Handling Systems shall provide a warranty to equipment manufacturers purchasing LoPerm 2550 fuel hose. The warranty must conform to the requirements of 13 CCR Section 2760.

IT IS FURTHER ORDERED: That the certified LoPerm 2550 fuel hose shall be installed in accordance with the manufacturer's installation and use instructions for the LoPerm 2550 hose. A copy of this Executive Order and fuel hose installation and use instructions shall be provided to manufacturers purchasing LoPerm 2550 fuel hoses for installation on small off-road engines and equipment introduced into commerce in California.

IT IS FURTHER ORDERED: That fuel hoses listed in Table 1 shall be clearly identified by a permanent identification that allows the ARB to identify manufacturer's name and model number.

IT IS FURTHER ORDERED: That any alteration to the hose certified hereby is prohibited. Any alteration or modification of the design approved by this Executive Order will require the manufacturer to apply for a new Executive Order.

IT IS FURTHER ORDERED: That the ITT Industries Fluid Handling Systems LoPerm 2550 fuel hose 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 ITT Industries Fluid Handling Systems LoPerm 2550 fuel hose can be referenced in certification applications for small off-road engines and equipment that use small off-road engines unless the Executive Officer finds that the LoPerm 2550 fuel hose no longer meets the performance requirements set forth in 13 CCR 2754 when tested pursuant to 13 CCR 2765.

Executed at Sacramento, California, this 14th day of June 2005.

William V. Loscutoff, Chief
Monitoring and Laboratory Division