



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

OFFICE OF
AIR AND RADIATION

SEP 28 2015

Mr. Brian Kronemeyer
AeroTech Caps, Inc.
2148 Center Industrial Court
Jenison, MI 49428

Dear Mr. Kronemeyer:

The U.S. Environmental Protection Agency (EPA) has reviewed your request to verify two trailer side skirts for line-haul, heavy-duty truck trailers. These devices are designed to increase the aerodynamic efficiency of trailers to improve the overall fuel economy of the combination tractor-trailer. Based upon your applications, test data and supporting information, EPA hereby confirms that the two AeroTech Caps trailer side skirts are verified for the levels described below.

Technology	Test Method (s)	Verification Category (Fuel Savings)
ATC-01-30 AeroTech Skirt	Wind Tunnel (1/8 scale)	4% Trailer Under Fairing
ATC-01-33 AeroTech Skirt	Wind Tunnel (1/8 scale)	5% Trailer Under Fairing

Verified performance of these devices are based on use with a 53 foot “dry” box, traveling at highway speeds and in the tested configuration. Verified aerodynamic devices are intended for use on 53 foot “dry” box and/or 53 foot refrigerated trailers where appropriate. The application of some devices or systems may not be appropriate for all trailer configurations. For example, some aerodynamic end fairings may not be compatible with roll up doors and front end fairings (or gap reducers) are not appropriate for refrigerated trailers. Verified technology(s) and technology system(s) must be evaluated by the manufacturer to confirm that installations would be appropriate for the intended applications and that any modifications to the verified technology will not impact aerodynamic performance.

EPA verification is contingent upon devices being installed and maintained as they were tested. Minimal modifications to aerodynamic devices necessary for certain installations, such as a hole

to accommodate a fuel filler neck or cut out for lighting, is only appropriate with written instructions and approval from the manufacturer. Technology manufacturers must evaluate and approve all installation modifications and confirm that the modification would have minimal impact on the technology's fuel savings performance. Any significant change(s) to the technology(s) from the EPA-tested installation and/or design is not automatically verified and may cause a drop in performance. Manufacturers must submit all significant modifications in advance to the EPA for approval.

EPA periodically conducts its own in-use testing to confirm manufacturer's stated performance levels. If significant differences are found, EPA will address these differences with the manufacturer. If a resolution to the discrepancy is not achieved within a reasonable timeframe, EPA reserves the authority to remove any such manufacturer from the SmartWay Technology Program Verification list.

In addition, EPA verifies technologies based on measured fuel savings and/or other criteria described herein. While EPA may request related information, verification is not an indication of endorsement, safety, regulatory, compliance or other performance consumers should consider. Manufacturers, installers, and consumers must comply with all applicable local, state, and federal safety regulations.

EPA verifies aerodynamic trailer devices and device combinations for use on EPA-designated SmartWay Trailers and SmartWay *Elite* Trailers. EPA-verified aerodynamic device(s) that achieve a minimum of 5% total fuel savings – used with EPA-verified low rolling resistance tires – qualify a 53 foot “dry” box or refrigerated trailer for designation as a SmartWay Trailer. Now as a new addition to the SmartWay program, device combinations that achieve a minimum of 9% total fuel savings – used with low rolling resistance tires – will qualify for designation as a SmartWay *Elite* Trailer.

While fleets can expect EPA-verified aerodynamic devices and SmartWay Trailers to be among the most fuel efficient, fuel savings in real-world applications may vary.

This technology will be listed on EPA's verified aerodynamic product website at:

<http://www.epa.gov/smartway/forpartners/technology.htm>

This letter and the EPA's online verified product listing may serve as a demonstration of your device's verification.

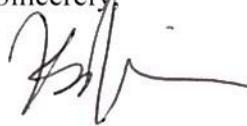
EPA has strict guidelines regarding the use of the SmartWay logo. SmartWay designation (and associated use of the SmartWay designation logo) is limited to manufacturers of heavy-duty tractors, box trailers, or passenger cars. Vehicle component technologies (e.g., trailer aerodynamic equipment) are not allowed to use the SmartWay logo for labeling purposes. If you have questions regarding these policies, please consult

<http://www.epa.gov/smartway/forpartners/index.htm> or contact Joann Jackson-Stephens at jackson-stephens.joann@epa.gov.

Finally, if you're not already a member, you may wish to join the SmartWay Community. This is designed for businesses that share our commitment to reducing emissions and fuel consumption in freight movement. If you want to learn more about the SmartWay Community, read more at <http://www.epa.gov/smartway/forshippers/index.htm>, and Patrice Thornton, at thornton.patrice@epa.gov, can assist you with questions you may have regarding joining the SmartWay Community.

If you have any questions regarding your verification or the program, please feel free to contact our aerodynamic technology staff person, Arman Tanman, at tanman.arman@epa.gov. Thank you for your interest in EPA's Technology Verification Program.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Simon', with a long horizontal flourish extending to the right.

Karl Simon, Director
Transportation and Climate Division
Office of Transportation and Air Quality