



THE CANADIAN ENVIRONMENTAL TECHNOLOGY VERIFICATION PROGRAM

Enhancing the Credibility of Environmental Technologies

TECHNOLOGY VERIFIED: TYMCO Model DST-4 Dustless Regenerative Air Street Sweeper

Performance Claim

The TYMCO Model DST-4 Dustless Regenerative Air Street Sweeper was operated according to the vendor's specifications at an average speed of 4.1 km/h in a controlled space where no water or any other liquids were permitted. No water sprays or gutter broom shrouds were used in the testing.

The sweeper was delivered in its optimum balance of dry dustless operational mode while also maximizing the pick-up and removal of test material (mean size of test material is 3 microns).

The final average performance indicators – at the 95% confidence interval – of the TYMCO Model DST-4 Dustless Regenerative Air Street Sweeper are as follows:

1. A removal efficiency of test material from surface of 89% ($\pm 2.1\%$);
2. Deposit of test material on sidewalk of 0.06% ($\pm 0.04\%$);
3. Maximum concentration of PM_{10} air contamination of 0.015 (± 0.005) $mg \cdot m^{-3} \cdot kg^{-1}$;
4. Total concentration of PM_{10} air contamination of 11.0 (± 2.3) $mg \cdot m^{-3} \cdot kg^{-1}$;
5. Maximum concentration of $PM_{2.5}$ air contamination of 0.011 (± 0.003) $mg \cdot m^{-3} \cdot kg^{-1}$; and
6. Total concentration of $PM_{2.5}$ air contamination of 7.5 (± 2.2) $mg \cdot m^{-3} \cdot kg^{-1}$.

RENEWAL OF VERIFIED** PERFORMANCE: March 2017

Renewal License Number: ETV 2017-03

Issued to: TYMCO, Inc.

Expiration Date: March 31, 2020

John D. Wiebe, PhD
Executive Chairman



Canada

** This verification conforms to the Canadian ETV Program's General Verification Protocol and the ISO 14034:2016. Please refer to Technology Fact Sheet for additional information on the verification of this performance claim.