Optical Scientific Inc.

(formerly known as Scientific Technology, Inc.)

Date: November 4, 2020

To: Whom It May Concern

Ref: Certification of OFS-2000F for EPA-Ja Applications

This letter is to certify that Optical Scientific, Inc. (OSi) guarantees their Optical Flow Sensor model OFS-2000F to fully meet EPA subpart Ja requirements for flare flow velocity measurement for any flare application that OSi formally reviews and approves. The approval process consists of the customer accurately completing an OFS Application Flow Profile form, submitting it to OSi for review and our engineers reviewing and approving the application.

Please note that the OFS-2000F Optical Flow Sensor is approved by EPA for use in Subpart Ja flare gas applications as evidenced by the letter entitled (ALT-099) Approval of Optical Flow Meters for Flares as found on the EPA web site at http://www.epa.gov/ttn/emc/approalt.html. We guarantee the OFS are in full compliance with NSPS Ja with regard to location, sensitivity, inspection and recalibration requirements and that the OFS fully meet our published specifications including absolute accuracy of +/- 0.01 m/sec basic -or- +/- 2% of reading, whichever is greater, and relative repeatability of +/- 1% of reading and long term drift of less than 1% per decade over the range of 0.03 to 170 m/sec, a turndown ratio of 5667:1

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Also note that OSi can provide periodic calibration certification equivalent to EPA rule 1118 and Subpart J/Ja periodic recertification requirements with a simple one-man / one-day site visit for each sensor installed, without any need to uninstall and reinstall the OFS heads and without need for clean air teams.

In your investigations and comparisons, please note that the OFS-2000F is likely the only sensor technology on the market that can handle the extreme dynamic range conditions of flares, is based on measurement technology that is independent of temperature, pressure, humidity and gas composition and can be installed without requiring a shutdown (through the use of hot tapping on instrument head mating flanges.) Note that OFS works fine even in hydrogen rich (80% plus) conditions. OSi is also the only manufacturer of such flow sensors that provides a money back guarantee. If we say it will work in your specific application, then we guarantee it. Please let us know if we can be of further service.

Sincerely,

Donald A. Williams
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