AirKinetics, Inc.
EMISSIONS CHARACTERIZATION
AND TESTING SERVICES

January 27, 2014

Mr. Jack Hakop Aganyan

AKI No.: 13973A

Dear Mr. Aganyan:

AirKinetics, Inc. conducted the Engineering testing at Van Nuys,, CA on January 15, 2014. Testing was performed on the Hydrogen Reactor. Volumetric flow rate was measured and calculated using SCAQMD Methods 1.1-4.1. Exhaust gas composition was analyzed using modified EPA Method 3C. The purpose of the test was to conduct Engineering testing. Test results are summarized in the Table 1 and all supporting data are attached.

Table 1
Test Results

Parmeter	Unit	Run 1	Run 2	Run 3	Average
Flow Rate	ACFM	41	27	82	50
Moisture	%	1.9	2.5	1.8	2.1
Ambient Temperature	°F	82	82	83	82
Hydrogen	%	95.8	86.8	96.8	93.1
Oxygen*	%	1.62	4.85	1.78	2.75
Nitrogen	%	2.58	8.35	1.40	4.11
DV Voltage	V	4.08	3.93	7.13	5.04
DC Current	Amps	100.25	100.50	97.75	99.50

* The lab results actually present "Oxygen + Argon."

If you should have any questions concerning this test report, please do not hesitate to call me at (800) 899-3687.

Sincerely,

Shen Chen
Project Manager

Attachment A – Test Results
Attachment B – Field Data and Equipment Calibrations
Attachment B – Analytical Data