



Approved Instrument Monitoring Method (AIMM) Review Request Form

Ver. January 7, 2015

The Air Pollution Control Division (Division) developed this Review Request Form for Division evaluation of a proposed approved instrument monitoring method (AIMM), besides an infrared (IR) camera or EPA Method 21, for hydrocarbon leak detection as defined in AIR Quality Control Commission (AQCC) Regulation No. 7 §XVII.A.2. Please note that the Division will not consider a proposed AIMM until it is has moved past the development, testing or prototype phase and is available for commercial use/application and has repeatable proven or demonstrated success in the field in hydrocarbon leak detection. Also note that a field demonstration of a proposed AIMM may be required, which should be arranged by the AIMM requestor if necessary.

Submittal Date: _____

Section 1 – AIMM Manufacturer Information

Company Name: _____
Mailing Address: _____
Person To Contact: _____
Phone Number: _____
Email Address: _____

Will the proposed AIMM be offered for sale, rental, or contracted service (please specify all)?
[] Sale [] Rental [] Contracted Service

Section 2 – Monitoring Method Information

Name of AIMM: _____
This AIMM is proposed as a: [] Quantitative leak detection method [] Qualitative leak detection method1
This AIMM is used as a: [] Mobile/handheld leak detection system [] Stationary leak detection system
For mobile or handheld leak detection system Please specify how the monitoring is completed (foot/vehicle/aircraft): _____
What is the scanning or viewing range of the AIMM? _____
For Stationary leak detection system What is the necessary number of leak detection devices for facility size and set-up? _____
Is this system capable of continuous monitoring? [] Yes [] No

Is the proposed AIMM already in use or approved for hydrocarbon leak detection in other applications or areas or by any other regulatory authorities?2
[] Yes [] No

If Yes, please describe (specify regulatory authority):

Please describe how a leak is identified using the proposed AIMM?



Is the proposed AIMM capable of identifying specific leak locations (i.e. component or piece of equipment leaking)³

Yes No

What is the proven lower detection limit of the AIMM and what hydrocarbons is it capable of detecting or quantifying?

What is the ideal or manufacturer-recommended distance for most effective leak detection using the AIMM (please specify measurement rate for distance, such as feet)?

What is the maximum distance for the lower detection limit of the AIMM (please specify measurement rate for distance, such as feet)?

What factors, if any, may limit the ability of the AIMM to perform proper leak detection (i.e., maximum wind speed, minimum/maximum temperature, precipitation, etc.)?

What are the leak tracking (for example, GPS integration) and data logging capabilities of the proposed AIMM?

Section 3 – Additional Information

Has this AIMM been published in any peer reviewed publication?

Yes No

If Yes, please list:

Name of Publication	Date of Publication	Author of Article

Please include the following with this application and mark or identify appropriately for review purposes. This application may be considered incomplete if the following are not included.

<input type="checkbox"/>	Included	Supplemental information on the technology involved. This information should be provided in easy to understand terms or language. The information should cover, but not be limited to the following: <ul style="list-style-type: none"> • How the AIMM works and is used • Training and/or certification required to operate and understand the AIMM • The leak detection capability and reliability of the AIMM • Leak tracking and recording capabilities of the AIMM • Limitations or requirements needed for a valid reading from the AIMM 	
<input type="checkbox"/>	Included	An Operation and Maintenance Plan that covers the following: <ul style="list-style-type: none"> • Standard operating procedures • Leak tracking and recording procedures • Leak repair recording procedures • Calibration and maintenance schedules for the AIMM 	
<input type="checkbox"/>	Included	Results of comparative testing with proposed AIMM (Method 21 for quantitative approval or IR camera for qualitative approval), including protocol for comparative testing. The division will determine if comparative monitoring is necessary if not included	
<input type="checkbox"/>	Included	<input type="checkbox"/>	N/A
Any articles or press that has been published in a peer reviewed publication			