STATEMENT OF INTENT TO NATIONAL HYDROGEN AND FUEL CELLS CODES & STANDARDS COORDINATING COMMITTEE

RE: Applied Research on Hydrogen Odorants

A partnership including one of the big five automakers has recently claimed that several odorant compositions they have developed provide a viable means of hydrogen leak detection. Despite the claims there is little public information available to conclusively rule-out or prove the concept.

Enersol Inc., NA, LP, is an early-stage technology development company that was established to validate and subsequently commercialize the concept of hydrogen odorization. Enersol is willing to collaborate with key industry players and to perform both proof of concept and demonstration research that may help to identify the appropriate path forward.

Mission:

> *"To create a technically viable and essential solution for the safe and widespread use of hydrogen fuel by the general public, and to help ensure public confidence in the safe application of hydrogen technologies."*

Enersol has conducted due diligence and preliminary research, providing a strong technical case for the use and utility of hydrogen odorants. Based on our rigorous analysis, we have selected and patented several candidate odorants for hydrogen applications. However, proof of concept research and validation testing is required.

Enersol also recognizes there are several technical challenges that need to be overcome before odorization is considered a viable means of hydrogen leak detection. The detection method must perform to a minimum standard and not cause harm to the system. Thus, odorization as a detection method needs to be performance based in order to satisfy the needs of OEMs and other stakeholders. It is Enersol's intention to seek funding for this cause and therefore to manage research and development efforts into hydrogen odorants.

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