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**Committee D03 on GASEOUS FUELS**

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October 9, 2020

**TO:** Stake Holders in ASTM Committee D03 on Gaseous Fuels  
**FROM:** Chairman David Hailey, Ph.D.  
**SUBJECT:** Membership

ASTM International Committee D03 on Gaseous Fuels is committed to serving the needs of the various stakeholders in the promotion of knowledge and the development of definitions, specifications, classifications, practices, and methods of sampling, analysis and testing relating to gases used as commercial fuels including but not limited to natural gas, reformulated natural gas, hydrogen, fuel cell gases, biogas and other miscellaneous gaseous fuels. To fulfill this responsibility, it is critical for the various stakeholders to join and participate in the activity of the D03 committee.

Organizations benefit from representation in ASTM International Committee D03 in that they are kept abreast of new standard development, existing standard revision, and standard withdrawals with or without replacement. Moreover, representation affords organizations the opportunity to directly contribute to the development or revision of standards such that the final standards meet their needs without being overly prescriptive or otherwise onerous to apply. Representation also ensures that a standard is not withdrawn or altered such that it becomes unusable to an industry or organization. Organizations benefit from meeting participation in that much of the D03 activity and indeed the decisions on the future direction of the committee are defined during general meetings. This gives stake holders the opportunity to propose new standards in anticipation of their future needs.

General meetings are held every June and December and provide a forum for stake holders to voice their concerns, discuss deficiencies in existing standards, propose new standards, discuss revision needs for existing standards, share technical information and experiences, and discuss the impact of new technology. The committee maintains liaisons with other organizations impacting the gaseous fuels industry such as the American Petroleum Institute (API), California Fuel Cell Partnership (CaFCP), European Committee for Standardization, American Gas Association (AGA), Gas Processors Association (GPA), Gas Technology Institute (GTI), ISO TC-193 SC3, ISO TC 197 WG 12, National Propane Association (NPA), National Institute of Standards and Technology (NIST), Society of Automotive Engineers (SAE), National Renewable Energy Laboratory (NREL), South Coast Air Quality Management District (SCAQMD), and the US Department of Energy (DOE). The interaction with other professionals

in industry and government provides new perspective on the problems and issues impacting the gaseous fuels industry.

The D03 committee has been active in evolving to meet stake holder's needs.

Currently, the committee is focused on developing new standards such as a specification for Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) used as a Motor Vehicle Fuel. The motor fuels specification will be used to define the minimum fuel quality for gaseous fuels consisting primarily of methane such as compressed natural gas (CNG), liquefied natural gas (LNG), and biogas when used as an internal combustion engine fuel to ensure its meets user's needs with respect to anti-knocking properties, engine performance and engine durability. The committee is addressing initiatives affecting use of hydrogen used in fuel cells intended for vehicle use and related applications. This includes standardization activity targeting fueling station fuel quality testing and sample handling.

The committee is developing a Fugitive Emissions destruction practice to address the need of stakeholders for standardized methodology on sampling and determining of gaseous Fugitive Emissions from pressurized equipment such as analyzers and metering devices that require destruction of Fugitive Emissions from sampling and measuring components and other parameters from industrial processes including but not limited to storage facilities and containers, transfer lines, and gaseous fuels clean-up processes. Current EPA, TCEQ and South Coast AQMD requirements to mitigate the release of these gases including their destruction by Thermal Oxidizer or Catalyst are the targeted need being served by this activity and will be done in collaboration with other ASTM committees such as D22 (Air Quality) as appropriate.

The updating of the D03 Committee website is an ongoing activity intended to provide a clearing house of information for the various gaseous fuels stake holders. Along with this, the committee is seeking to develop a "Committee News" section on the committee website to present the latest initiatives and standardization activity occurring within the committee.

As Chair of the ASTM D03 committee I have made a goal of increasing general meeting attendance and hope that this short letter has demonstrated the benefit of membership in the committee and the importance of general meeting attendance. If you have any questions, concerns or comments please feel free to contact me by e-mail at [jdhailey@hotmail.com](mailto:jdhailey@hotmail.com) or by telephone at (832) 816-4826.

I thank you for your time.

David Hailey, Ph.D.  
Chairman ASTM D03