

# FENCELINE MONITORING PANEL

**Gary Daves**, Tricord Consulting, **Herman Holm**, Spectrum Environmental Solutions,  
**Scott Manchester**, Alliance Technical Group, **Phyllis Holifield**, CITGO Petroleum Corporation,  
**Brandon Kilpatrick**, Providence, **Patrick Clark**, Montrose, **Clinton Thrasher**, Enthalpy Analytical, LLC



**AIR & WASTE MANAGEMENT**  
A S S O C I A T I O N

# Gary Daves

- ▶ Gary Daves, of TRICORD Consulting, has over 25 years of experience in regulatory applicability, compliance, and permitting, including assisting clients with HON, Refinery MACT, BWON, and other refining and chemical sector regulations. He has led the implementation of fence line monitoring pilot studies at more than a dozen refineries and chemical plants.
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# Herman Holm

- ▶ Herman Holm currently serves as the Director of the Specialty Environmental Services business unit of Spectrum Environmental Solutions. He has over 20 years of experience in environmental consulting and has been living in the flare world since 2011 and is interested in fenceline as well.
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# Scott Manchester

- ▶ Scott Manchester, Director in Ambient Services at Alliance, has 35 years of experience in ambient air quality monitoring including a focus in development and implementation of perimeter air monitoring programs. With 30 years' experience in project management and over 20 years in staff and resource management, his expertise includes meteorological monitoring, acoustical consulting and odor assessment. Scott is experienced in the development of community air monitoring and quality assurance project plans for a variety of air toxics including organic and inorganic compounds, particulate and odors, and in the use of real-time analyzers for automated fence-line monitoring applications. Scott holds a Bachelor of Science Degree in Meteorology from Cornell University, located in Ithaca, New York.
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# Phyllis Holifield

- ▶ Phyllis Holifield is the Environmental Manager for CITGO Petroleum Lake Charles Refinery. She is a native of Vinton, La, received her Bachelors of Science in Chemistry/Biology from McNeese University, a Masters of Business Finance from the University of Houston, and Post Graduate Certificate in Environmental Management from LSU. She has worked in the Petrochemical Industry for 44 years in Research and Strategic Planning, with the last 38 years in Environmental. She presently sits on the board of directors for the Southwest Louisiana Air, Waste, and Management Association, is a member of Iota Sigma Pi, the National Honor Society for Women in Chemistry and Alpha Chi Sigma, a co-ed professional fraternity dedicated to the science of chemistry. Her volunteer activities have included working with Care Help of Sulphur, Team CITGO, and music ministry of Immaculate Conception Church in Sulphur.
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# Brandon Kilpatrick

- ▶ Brandon Kilpatrick has more than ten years of professional experience managing, operating, and executing air quality monitoring projects. He has conducted cooling tower emission testing at multiple facilities in multiple states and has designed and installed weather stations with bi-annual audits of technical instruments. His technical background further includes the collection, quality control/quality assurance and validation of technical air monitoring data. Mr. Kilpatrick has trained clients on sulfur dioxide (SO<sub>2</sub>) sampling and also designed, integrated, managed, and installed multiple ambient air monitoring trailers. He has performed maintenance and monitoring at several clients' sites involving continuous emission monitoring systems (CEMS) and currently manages Benzene fenceline requirements at multiple facilities utilizing ENMET's eGC<sup>®</sup> that provides real time monitoring and reporting. Mr. Kilpatrick also provides technical oversight for LDAR monitoring operations.
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# Patrick Clark

- ▶ Patrick Clark is vice president of product strategy for Montrose Air Quality Services. Mr. Clark's recent focus has been on developing solutions for in-facility, fenceline and community air quality monitoring through innovative software and hardware solutions.
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# Clint Thrasher

- ▶ Clint Thrasher is the Laboratory Director at Enthalpy Analytical in Deer Park, Texas. He has nearly 20 years of experience in the environmental laboratory industry, specializing in the analysis of gas-phase samples. Clint has been employed with Enthalpy since 2005 and in that time has had four different job titles: FTIR/GC analyst, field testing team leader, staff engineer, and finally, laboratory director. Clint received a BA in chemistry and a BS in chemical engineering from North Carolina State University and is a licensed Professional Engineer (North Carolina).
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