

## **Bringing a legacy API560 heater to modern NFPA-87 compliance ‘A practical application of NFPA-87 modernization’**

### **ABSTRACT**

Enlink Midstream’s Bridgeport Plant-4 API-560 Hot Oil Heater was experiencing a number of issues brought on by aging equipment and obsolete instrumentation. The heater, though fully operational, was at best difficult to start on demand and would regularly flame-out on heavy demand. Additionally, the Burner Management System was ancient and troublesome, and the fuel train had far outlived its mission lifecycle. Enlink needed a vender with experience and expertise in thermal processes, combustion solutions, Burner Safety Management, and NFPA-87. At the recommendations of both the heater manufacturer, G.C. Broach, and the burner manufacturer, Maxon, Enlink contacted Federal Services LLC and tasked them to develop the appropriate solutions to bring the heater back to its full capabilities. As an early adopter of NFPA-87 recommended practice for Oil and Gas Processing Fired Heaters, Enlink requested Federal Services LLC, a NFPA-87 practitioner, to develop a NFPA-87 capable system for the Plant-4 HOH.

### **PRESENTER**

#### **David Farthing**

*Director – Federal Services LLC*

Mr. Farthing combines his thirty-plus years of experience in thermal processes with a degree in General Engineering Technology from Oklahoma State University as well as a degree in Business from the University of Central Oklahoma. He is both a practitioner and academic in the field of boilers, burner management systems, and thermal process control systems. Member NFPA, GPSA.