

Combustion Safety Programs

Five Day Course

I. Introductions - Company Specific Program Basics

- This is an overview of the Company requirements, definition of terms such as: critical mandatory of the inspectors. The general tooling and manpower requirements are defined

II. Flame Safeguard Basics-

- This session will explain the purpose of the flame safeguard system. The specific components will be listed including the necessary interlocks with an explanation of the operation of each.

III. Gas Train Basics-

- This will be an overview of the specific requirements of the gas train, it's components and their Purpose.

IV. Combustion Basics-

- The combustion process will be discussed with an emphasis on safety. The topics that will be expanded will include the proper air/fuel ratio, flame propagation rates, turn-down ratio, and the proper methods of combustion analysis.

V. Tools and Instruments-

- The necessary tools and instruments will be described and in some cases demonstrated. The proper safety procedures for each tool will be taught.

VI. Valve Train Leak Testing-

- The valve leak testing procedures will be demonstrated on "mock" gas trains. The interfacing of the skilled trades along with the safety ramifications of the procedures will be taught.

VII. Interlock Testing Basics-

- The specifics and procedures will be studied with each being explained and demonstrated.

VIII. Engineering Assessment Issues-

- The purpose of the assessment items will be studied, with both long and short terms ramifications.

