2020 COURSE INFORMATION FOR SANTOS MODULE 49 - GAS DETECTION - 3 YEAR REFRESHER

4 Hours

Max Students:
12

Designed for:
This unit is part of the Santos global, field/plant series. Units in this series cover practical, hands-on skills and knowledge applicable to work in the field/plant environment; they are not specific to operations or maintenance.

Pre-requisites:
Nil

Co-requisites:
Nil

Pre-entry Requirements:

- This unit requires the ability to read and interpret a meter and then communicate the conclusions.
- Writing is required to the level of completing required workplace reports/forms.
- Numeracy read the instrument and interpret the results as being safe/not safe and so determine the required actions.

Description:
This unit addresses gas detection and monitoring procedures at Santos sites.

Content:

As may be relevant to the plant/site/process, knowledge of the following may be required:

- Common chemical asphyxiants, including hydrocarbons, carbon dioxide, carbon monoxide, hydrogen cyanide, and hydrogen sulphide
- Common irritants and corrosives, including chlorine, ammonia and acid bases
- Common flammable gases, including acetylene, petroleum, methane, ethane, propane and butane narcotics (explosive range, upper and lower explosive limits)
- Exposure standards (time weighted average, short term exposure limits, peak limitation values, examination of toxic effect at the level of a range of flammable gases)
- Conditions under which atmospheres become hazardous
- Units of measurement used to express concentration of atmospheric contaminants (mg/cubic m. ppm, % v/v).
- Underpinning skills could include interpretation and communication of results of sampling

Unit of Competency

MSMWHS217 Gas test atmospheres

Assessment:
Assessment of this course is through theory assessment, completion of the Santos Learners resource and observation of students carrying out a range of practical activities involving the use of an approved Santos gas detector.

Delivery Method:
Classroom theory via PowerPoint and the issued learner resource including practical activities involving the use of a gas detector.

There are currently no dates available for this course.