
Overview

This standard identifies the competencies you need to monitor and respond to incidents in hydrogen product storage conditions.

You will be required to demonstrate that you can monitor and respond to incidents in hydrogen product storage conditions, identifying and diagnosing the hazard or risk and taking appropriate action in line with organisational and legal requirements.

This could include individuals working in the following industries, Chemical, Petro-Chemicals, Storage and Energy production.

Performance criteria

- You must be able to:*
- P1. inspect storage tanks to ensure their proper functioning in line with organisational and legal requirements
 - P2. diagnose problems with hydrogen storage tanks and take appropriate corrective actions in line with organisational and legal requirements
 - P3. identify incidents' nature, location, and scope in line with organisational and legal requirements
 - P4. respond to the incidents in line with organisational and legal requirements
 - P5. assess the situation and determine appropriate actions in line with organisational and legal requirements
 - P6. assess potential hazards and risks associated with incidents in line with organisational and legal requirements
 - P7. effectively communicate with team members to gather information and assess the situation in line with organisational requirements
 - P8. communicate with team members, stakeholders, and emergency services in line with organisational and legal requirements
 - P9. communicate with team members, stakeholders, and emergency services on when to hand the incident over to the emergency services
 - P10. complete relevant documentation related to incidents in line with organisational and legal requirements

Knowledge and understanding

You need to know and understand:

- K1. equipment, infrastructure, and technology used for monitoring and maintenance of hydrogen product storage
- K2. normal and abnormal storage conditions and their causes
- K3. manufacturers and organisational requirements for maintaining storage tanks
- K4. equipment used to monitor it in good working condition
- K5. how to diagnose problems and take appropriate actions to meet organisational and legal requirements
- K6. organisational and legal requirements for responding to and identifying incidents
- K7. the steps involved in assessing the situation and determining appropriate actions to meet organisational and legal requirements
- K8. how to isolate storage systems to meet organisational and legal requirements
- K9. the potential risks and hazards associated with abnormal hydrogen product storage conditions
- K10. the importance of rapid and effective response to incidents involving abnormal product storage conditions to meet organisational and legal requirements
- K11. emergency procedures and safety equipment in the event of an emergency to meet organisational and legal requirements
- K12. when to hand the incident over to the emergency services

- K13. the importance of accurate and complete incident response documentation to meet organisational and legal requirements

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