

COGBLO2 - SQA Unit Code FA6T 04

Prepare pipelines and hoses within bulk liquid operations



Overview

This unit deals with the following:

- 1 Rigging lines and setting valves on pipeline systems
- 2 Filling pipelines with product
- 3 Displacing pipeline and hose contents

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

Previous version:

Adapted from Bulk Liquid Warehousing NOS - July 2001

Performance criteria

You must be able to:

- P1 use safe lifting and moving techniques
- P2 ensure that rigging equipment used conforms to the job specification
- P3 correctly make all connections
- P4 correctly set all valves
- P5 correctly fill the appropriate pipelines
- P6 vent the air and vapour as appropriate
- P7 ensure that all relevant valves are checked and set correctly
- P8 check the integrity of pipelines
- P9 ensure that the displacement medium, equipment and techniques are appropriate
- P10 ensure that confirmation is received regarding ullage and any other relevant tank movements
- P11 effectively set and secured the pipelines
- P12 ensure that the amount of product remaining on completion is within given limits
- P13 communicated all relevant information to the appropriate people
- P14 work safely in accordance with operational requirements

Knowledge and understanding

You need to know and understand:

- K1 how to select, use and care for PPE (e.g. sight/hearing protection, gloves, footwear hard hats, respirators)
- K2 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K3 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- K4 the signs of pressure problems in pipelines and hoses (e.g. abnormal gauge readings, joint and valve leakage including valve passing, lifting of pressure relief valves)
- K5 the cases of pressure problems in pipelines and hoses (e.g. line typography, pumping rates, influence of ambient temperature)
- K6 the types and principles of use, of rigging equipment (e.g. connectors, jointing materials, fasteners, hoses)
- K7 how to make connections (e.g. correct type, number, size of fastener, leakage prevention, complete line, secure line)
- K8 how to interpret signs and symbols used to denote hose test conditions
- K9 fastening requirements and tightening techniques
- K10 how and when to vent air and vapour
- K11 how and when to recover vapour
- K12 how to check the integrity of pipelines
- K13 the causes and signs of pressure problems
- K14 how to de-pressurise pipelines and hoses
- K15 the causes and signs of pressure problems
- K16 the information to communicate (e.g. written, verbal, electronic) and to whom

Additional Information

Scope/range

1. How to select, use and care for PPE (e.g. sight/hearing protection, gloves, footwear hard hats, respirators)
2. The implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
3. How to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
4. The signs of pressure problems in pipelines and hoses (e.g. abnormal gauge readings, joint and valve leakage including valve passing, lifting of pressure relief valves)
5. The cases of pressure problems in pipelines and hoses (e.g. line typography, pumping rates, influence of ambient temperature)
6. The information to communicate (e.g. written, verbal, electronic) and to whom

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Suite Bulk Liquid Operations

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