

COGBLO1

Monitor and maintain equipment and infrastructure within bulk liquid operations



Overview

This unit deals with the following:

- 1 Monitoring and maintaining product storage conditions
- 2 Cleaning operational equipment

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

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Performance criteria

- You must be able to:*
- P1 carry out inspections at the appropriate frequency
 - P2 perform complete, logical and systematic investigation of suspected malfunction
 - P3 take appropriate action to restore product storage conditions
 - P4 prepare the equipment for cleaning
 - P5 use appropriate cleaning agents and techniques
 - P6 ensure that cleaned equipment is left in an appropriate condition and location
 - P7 remove, dispose and replace equipment where appropriate
 - P8 dispose of drainings, bottoms and washings
 - P9 communicate all relevant information to the appropriate people
 - P10 work safely in accordance with operational requirements

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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 how to clarify unclear or conflicting information
- K3 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K4 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- K5 the principles of monitoring atmosphere, water, temperature, pressure and product volume
- K6 the characteristics and requirements of logical, systematic investigation
- K7 how to recognise damaged and distressed equipment and infrastructure (to include bunding)
- K8 the location of all relevant safety systems and equipment
- K9 why you are carrying out the inspection (e.g. routine inspection, inspection in response to observed problems, inspecting for distress, damage, poor functioning)
- K10 how to identify signs of distress and damage and poor functioning (e.g. physical damage, corrosion, leakage, joint distortion, out of date certification)
- K11 the information, and the format, required by the appropriate authority in relation to distress and damage and poor functioning (e.g. location, extent, possible causes)
- K12 the range of action available to you in light of previous treatments applied
- K13 the appropriate actions to take to restore product storage conditions (e.g. draining off excess water)
- K14 what to do when the conditions cannot be restored
- K15 the range of equipment to be cleaned (e.g. filters)
- K16 how to prepare equipment for cleaning (e.g. isolating, disconnecting, disassembling)
- K17 how to replace equipment
- K18 your responsibilities regarding disconnecting and disassembling the equipment
- K19 the range of techniques, agents and cleaning equipment and when to use them
- K20 the disposal techniques and locations
- K21 the information to communicate (e.g. written, verbal, electronic) and to whom

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Additional Information

Scope/range

- 1 How to select, use and care for PPE (e.g. sight/hearing protection, gloves, footwear hard hats, respirators)
- 2 How to clarify unclear or conflicting information
- 3 The implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- 4 How to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- 5 The principles of monitoring atmosphere, water, temperature, pressure and product volume
- 6 The characteristics and requirements of logical, systematic investigation
- 7 How to recognise damaged and distressed equipment and infrastructure (to include bunding)
- 8 The location of all relevant safety systems and equipment the information to communicate (e.g. written, verbal, electronic) and to whom

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Relevant occupations Engineering and manufacturing technologies; Manufacturing technologies; Process, Plant and Machine Operatives; Process Operatives

Suite Bulk Liquid Operations

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