

Providing samples for analysis in downstream operations

Overview

This standard is about your contribution to taking samples for analysis.

This standard deals with the following:

- 1 Prepare to take samples
- 2 Take samples

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

This Standard is suitable for those working in the downstream fuel environment.

Previous version:

Adapted from Unit 6 of Refinery Field Operations NOS – version April 2005

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Performance criteria

- You must be able to:*
- P1 inform appropriate people that samples are being taken
 - P2 properly obtain containers appropriate for the sample material
 - P3 ensure that containers obtained are fit for purpose before use
 - P4 properly obtain appropriate clothing and equipment
 - P5 identify the location of the nearest safety equipment and identify emergency exit route
 - P6 comply with the requirements stated in the appropriate documentation
 - P7 correctly use the protective clothing and equipment
 - P8 take samples using the appropriate specified method
 - P9 minimise the potential hazards according to the nature of the sample, considering hazard to the environment
 - P10 take samples which match the schedule instructions
 - P11 ensure that samples taken are representative to maintain quality
 - P12 ensure that the integrity of the sample is maintained
 - P13 complete all relevant documentation
 - P14 ensure that the sample is fully identified by recording and labelling and promptly taken to the designated point
 - P15 leave sample points in a clean and safe condition ready for re-use
 - P16 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
 - K2 the implications of statutory and organisational requirements
 - K3 how to interpret operational requirements
 - K4 how to work with and within the Permit to Work system
 - K5 the need for appropriate personal protective equipment (PPE)
 - K6 the importance of well maintained equipment
 - K7 the importance of informing the appropriate people
 - K8 the different types of container used and their specific uses
 - K9 how to access and interpret the appropriate documentation
 - K10 the potential incidents which might occur while taking samples and the actions required
 - K11 the importance of matching schedule and instructions when sampling and analysing
 - K12 how to take samples in the most time-economical manner with consideration to the environment and wasting product.
 - K13 how to maintain sample integrity
 - K14 the consequences of not following the sampling procedure
 - K15 the reasons for not taking samples according to schedule

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Suite Downstream Operations

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