

ASTCCR2 - SQA Unit Code H548 04

Carry out and complete clean-room cleaning operations



Overview

- 1 Carry out clean-room cleaning operations
- 2 Remove and store equipment, tools and materials after clean-room cleaning operations
- 3 Remove and dispose of contaminated material after clean-room cleaning operations
- 4 Exit clean-room and remove personal protective clothing after clean-room cleaning operations

Performance criteria

Carry out clean-room cleaning operations

You must be able to:

- P1 select the correct equipment, tools and materials for the **surfaces**, type of **contaminant** and **refuse** to be removed
- P2 use the equipment, tools and materials following **instructions** and the correct procedures
- P3 carry out the cleaning process in line with instructions and the correct **procedures**
- P4 leave all surfaces free of contaminants when you have finished
- P5 confirm that **standards of cleanliness** have been met where appropriate
- P6 take prompt action to deal with any accidental **damage** or **disruption** to clean-room operation caused through cleaning processes

Remove and store equipment, tools and materials after clean-room cleaning operations

You must be able to:

- P7 clear clean-rooms of equipment, tools and materials that are not to be left in the clean-room
- P8 check and clean **filtration systems** on equipment, if necessary
- P9 make sure that the equipment and tools are not damaged or **unserviceable**
- P10 take the correct **action** to deal with unserviceable equipment
- P11 make the appropriate arrangements to maintain stocks of materials
- P12 return the equipment, tools and materials to the correct storage location

Remove and dispose of contaminated material after clean-room cleaning operations

You must be able to:

- P13 wear the correct **personal protective equipment** as required for the **waste and contaminated material** involved
- P14 make sure that clean-rooms are clear of waste that is not to be left in the clean-room
- P15 use the correct **containers** for disposable waste
- P16 handle and remove the waste and contaminated material safely and according to current regulations, instructions and good practice
- P17 take waste and contaminated material containers safely to the allocated collection point and make secure where necessary

Exit clean-room and remove personal protective clothing after clean-room cleaning operations

You must be able to:

- P18 **exit** the clean-room following **instructions, procedures or guidelines**

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- P19 inspect reusable personal protective clothing for damage or deterioration and arrange for replacement where necessary
- P20 store or dispose of all personal protective clothing following instructions, procedures or guidelines
- P21 collect any personal items from storage

Knowledge and understanding

You need to know and understand:

Carry out clean-room cleaning operations

- K1 where to get the information on how to select the appropriate equipment, tools and materials
- K2 why it is important to follow the manufacturers' instructions when you use the equipment, tools and materials and understand the consequences of not doing so
- K3 what action to take if a cleaning operation cannot be completed
- K4 what action to take if any damage or disruption occurs during the cleaning process and why is important to take this action

Remove and store equipment, tools and materials after clean-room cleaning operations

You need to know and understand:

- K5 what equipment, tools and materials you took and used on the site of the cleaning operation
- K6 the types and locations of filtration systems on equipment
- K7 what action to take if any of the equipment, tools and materials are damaged or unserviceable and why it is important to take this action
- K8 why it is important to maintain stocks of materials, and at what level these stocks should be
- K9 who to ask to confirm the correct storage location for the equipment, tools and materials

Remove and dispose of contaminated material after clean-room cleaning operations

You need to know and understand:

- K10 what personal protective equipment is required for the waste and contaminated material involved, where it can be obtained and why you should use it
- K11 the hazards associated with waste from cleaning operations in clean-rooms
- K12 who to ask or where to find out what and where are the correct containers for the waste and contaminated material involved and why this is important
- K13 why it is important to handle and dispose of the waste and contaminated material safely according to current regulations and instructions
- K14 where to get information on current regulations and instructions
- K15 where the allocated collection point for waste containers is and how to make secure where necessary
- K16 why waste containers should be made secure

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Exit clean-room and remove personal protective clothing after clean-room cleaning operations

You need to know and understand:

- K17 what instructions, procedures or guidelines you need to exit the clean-room and where or who to get them from
- K18 what instructions, procedures or guidelines you need to store or dispose of all personal protective clothing and where or who to get them from
- K19 which items of the personal protective clothing require storage and which require disposal
- K20 what actions to take if any of the personal protective clothing is damaged and why this is important
- K21 why it is important to follow laid down procedures for exiting clean-rooms and disposing of contaminated or damaged protective clothing

Additional Information

Scope/range

Carry out clean-room cleaning operations:

- 1 **surface** type: glass; plastics; rubber; metals; floor coverings; wall coverings
- 2 type of **contaminant**: dust; skin; hair; fibres; liquids; fluids
- 3 type of **refuse** (by-products as a result of activity within the clean-room): packaging materials; swabs; waste from clean-room processes
- 4 **instructions and procedures** from: manufacturers; your organisation; your clients
- 5 **standards of cleanliness** relevant to: your organisation; your clients
- 6 **damage** to: the clean-room; equipment
- 7 **disruptions** to: equipment operation; clean-room process

Remove and store equipment, tools and materials after clean-room cleaning operations:

- 8 **filtration systems**: replacement; refurbishment
- 9 **unserviceable** because: does not operate properly; requires emptying, servicing or cleaning
- 10 **action**: report details of unserviceable equipment to the relevant person; take equipment to the relevant person; carry out emptying, servicing or cleaning where authorised

Remove and dispose of contaminated material after clean-room cleaning operations:

- 11 **personal protective equipment**: gloves; masks; goggles; clothing; headwear
- 12 **waste and contaminated material** type: chemicals; contaminants; cloths and disposable wipes; fluids; clothing; disposable personal protective items; empty cleaning agent containers
- 13 correct **containers** suitable for waste that is: hazardous; non hazardous; recyclable

Exit clean-room and remove personal protective clothing after clean-room cleaning operations:

- 14 **exit** via: airlocks; crossover bench; air shower; metal detectors; positive and negative air pressure systems
- 15 **instructions, procedures or guidelines** from: your client; your own organisation

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