

CPCCBC4021

MINIMISE WASTE ON THE BUILDING AND CONSTRUCTION SITE

THEORY EXAM

Participant name	
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FOR THE PARTICIPANT

Instructions

- You will complete written questions as outlined on the following pages. You must attempt all questions and provide enough detail in your responses to demonstrate your knowledge.
- It is anticipated that you should complete this assessment within two (2) hours, but additional time may be allowed upon negotiation with the Assessor.
- You must complete all questions consistently by the Assessor or other personnel. It may refer to reference material as needed. All questions must be answered correctly for a 'Satisfactory' assessment outcome to be awarded.
- An oral examination may be allowed under certain circumstances, whereby your answers will be documented by another party.
 - Any written questions that are incomplete, or not answered satisfactorily will need to be completed again after further training support.
- If you answer a question incorrectly but modify your response, put your initials next to the written change (or the Assessor must initial a verbal change).

Resources required

Pen

FOR THE ASSESSOR

Instructions

- Where oral examination has occurred, ensure that this is acknowledged in writing (e.g. FT001 and Assessor Comments)
- All questions must be satisfactorily demonstrated by the Participant for a Satisfactory determination (indicated by an Assessor tick to the right of the question).
- Assessors are to complete marking in pen of a different colour to the Participant.
- If the Participant verbally modifies their response, write in the modified response verbatim and put your initials next to the written change.

ASSESSOR COMMENTS

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

Q1. Discuss method you would apply when negotiating the cost of waste management strategies on the site, with the client.

Answer

Should reflect but is not limited to: negotiation would be according to communications plan/agreement. Ideally face to face discussion regarding all costs would be held as part of the construction contract negotiations. Changes or alterations may be made via email before the final contract is agreed.



Q2. Identify the building and construction method used in each image below.

Answer

Building/Construction method	Images
e.g. Wood OR Stick framing	
e.g. Pre-fabricated construction	



Read the following scenario and respond to Q3. & Q4.

SCENARIO 1:

The plan for Project A, aside from identifying important deadlines, specified that only certain types of recyclable materials and products would be used, and listed all the different equipment needed for construction.

The procurement officer completed all his tasks on time. He ensured that the correct amount and types of building materials and products were acquired and obtained the necessary equipment listed in the plan

Q3. Identify if this is an example of effective, efficient, or economical procurement. Explain your answer.

Answer

Should reflect: Effective procurement.



The scenario is an example of effective procurement because the goals of the project plan were met. The procurement officer met their deadlines and was able to secure the building materials and products, and equipment specified in the project plan.

Q4. Describe how sustainability was promoted during this scenario.

Answer

Should reflect: Sustainability was promoted by the procurement of building materials and products that could be recycled. By following the requirements set out in the project plan, any waste material produced by the project has a chance of being recycled instead of just being disposed of.



Read the following scenario and respond to Q5. & Q6.

SCENARIO 2:

The procurement officer for Project B was reviewing the procurement plan for the second stage project when she noticed that steel beams were one of the materials listed.

The procurement officer remembered that steel beams were already acquired during the first stage of the project. Upon checking the current inventory, she found that there were still a few steel beams left over and she edited the procurement plan for the second stage accordingly.

Q5. Identify if this is an example of effective, efficient, or economical procurement. Explain your answer.

Answer

Should reflect: Efficient procurement.

☐

The scenario is an example of efficient procurement because unnecessary expense was avoided. By checking the current inventory, the procurement officer was able to find leftover materials that could still be used and avoided the hassle of procuring materials that might end up being unused.

Q6. Describe how sustainability was promoted during this scenario.

Answer

Should reflect: Sustainability was promoted by avoiding unnecessary procurement. If additional steel beams had been purchased, they would have been left unused and might have to be discarded once the project was completed.

☐

Read the following scenario and respond to Q7. & Q8.

SCENARIO 3:

When canvassing suppliers, the procurement officer for Project C did research into their production processes and took that into consideration when she weighed their pros and cons.

She gave priority to suppliers who could demonstrate that their building products were environment friendly and that they had ethical processes, even if their products were more expensive.

Q7. Identify if this is an example of effective, efficient, or economical procurement. Explain your answer.

Answer

Should reflect: Economical procurement.

☐

The scenario is an example of economical procurement. The procurement officer decided that the more expensive products were worth the added expense because they came from suppliers who were environment friendly and ethical. The monetary value of the building products was weighed against their environmental value.

Q8. Describe how sustainability was promoted during this scenario.

Answer

Should reflect: Sustainability was promoted by supporting suppliers with ethical and green practices. This will encourage the suppliers to continue using these practices.

☐

Q9. Identify the building and construction principle being applied to each scenario below.

Answer

Building/ Construction Principle	Scenarios
e.g. Environmental protection	The construction manager in charge of a site instructs his workers that they are required to follow the site's waste management policy and dispose of waste properly.
e.g. Safety	Workers are not allowed on-site if they are not wearing personal protective equipment such as helmets and safety boots.
e.g. Speed / efficiency	The project manager encourages all personnel to finish their tasks on time and provides incentives for tasks completed before the deadline.
e.g. Economy	Before beginning the project, materials were canvassed. The final materials selected were the ones at the lowest cost that still adhered to quality and safety standards.



Q10. Briefly describe how the NCC is applicable to planning for minimising waste on a building and construction site.

Answer

Should reflect: The NCC contains the requirements and standards that all construction projects must comply with. Among other things, the NCC addresses energy efficiency and sustainability. Minimising waste is one way to achieve sustainability.



Read the following scenario and respond to Q11.

SCENARIO 4:

Mary wants her house to be as environment friendly as possible. To do this, she instructs the construction company she hired to use mud bricks while building her house.

The company plan to use the soil excavated from digging the house's foundation to create the mud bricks. They will do this by mixing the excavated soil with water, pouring the mixture into moulds, and setting them aside to air dry.

Q11. Complete the table below to briefly assess the potential negative environmental impact at the material life cycle stages identified.

Answer

Life cycle stage	Potential negative environmental impact
Raw material extraction	e.g. The potential negative environmental impact from the extraction of the raw material is very low. The soil that is going to be used to create mud will be from the excavation for the house's foundation and they will not dig up a different location. This will also minimise the waste generated during construction because they found a way to use the excavated soil instead of simply disposing of it in a landfill.
Manufacturing	e.g. The potential negative environmental impact from the manufacture of the mud bricks is very low. The only materials that are going to be used to create the bricks is water and the excavated soil. Neither ingredient has any negative effects on the environment. The bricks will also be left to air dry naturally, so no additional energy will be required.



Q12. What is meant by whole of the life cycle of materials and products? Provide examples of the different stages.

Answer

Should reflect the stages within the lifecycle of materials and products from Raw Material Resource Extraction – when the material is sourced from the ground, through Manufacturing of the products using the extracted or made materials; Delivery and Transportation methods used to get the product to the user; Use, Maintenance and Repair of the product, including specific tools that may be needed to the final Disposal or Recycling of the product. These stages together demonstrate the life cycle of materials and products



Q13. Describe a supplier practice you would look for to ensure that the supplier's processes minimise their negative environmental impact and promote sustainability.

Answer

Should reflect but is not limited to similar examples such as: If the supplier/ manufacturer has any measures in place for proper waste disposal. Proper waste disposal includes making sure that any harmful waste does not leak into the environment. In some instances where the creation of waste by-products is unavoidable, these measures are even more necessary. This reduces any environmental impact and promotes sustainable environments. Calculate embodied energy consumed by all the processes associated with the production, looking for one using the least energy. Ask if the supplier makes use of recycled materials in their manufacturing processes. By using recycled materials, the supplier lessens the demand for raw materials and also lessens the amount of waste in the environment. This results in less resources consumed.



Q14. Describe how examining similar past projects to see how many resources were used can help minimise the negative environmental impact of a building and construction project.

Answer

Should reflect but is not limited to: By examining similar past projects, you can come up with a somewhat accurate estimate of how much of a certain resource is needed for future projects. This will enable you to prepare for the procurement process. If you are able to order what you need in a timely manner, you avoid material degradation and the need to obtain more resources, which lessens the stress placed on the environment. This will also lead to less deliveries needed, which then leads to less air pollution.



Q15. Describe how making sure that the project only uses the allocated resources can help minimise the negative environmental impact of a building and construction project.

Answer

Should reflect but is not limited to: By making sure that the project only uses the allocated resources, you avoid having to obtain additional resources. This means that less raw materials will have to be extracted from the environment.



Q16. Discuss how you would manage the risk of contamination of groundwater at a construction site.

Answer

Should reflect but is not limited to: As much as possible, replace paints and solvents used on the building and construction site with non-toxic options. Also make sure to regularly check for and immediately address any spills. Keep storage tidy and according to product SDS. Apply silt socks to any stormwater drains in the vicinity.



Q17. Discuss how you would manage the risk of soil erosion at a construction site.

Answer

Should reflect but is not limited to: As much as possible, leave plants in place so that they can prevent the soil from eroding. The roots of plants keep the soil together and the plant itself shelters the soil from winds that can cause erosion. When no plants are in place, install silt fencing and other methods to prevent the soil from washing or blowing away.



Q18. The concrete obtained from a demolition site is broken up into much smaller pieces and these are sifted to remove any impurities. The broken-up concrete is then used as a base for an asphalt paving project.

Was the material recycled, reclaimed, or reused?

Answer Should reflect: The concrete material was recycled ☐

Q19. Discuss how the actions described in Q18. promote sustainability.

Answer Should reflect but is not limited to: sustainability was promoted by removing the need for new raw materials for the asphalt paving project. Instead, they found a new way to use the concrete from the demolition site. ☐

Q20. What can you do to organise effective communication avenues with relevant professionals to ensure project plans incorporate waste minimisation strategies?

Answer Should reflect but is not limited to: Establish a communications plan indicating level of communication needed and regularity of communication with all stakeholders including professionals such as architect, designer and engineer. The communications plan will indicate whether individuals prefer and policies require communication to be face to face, via technology or other methods. ☐

Q21. Explain how you identify high quality and more durable materials that will extend the life of the structure and simplify its future extension and refurbishment.

Answer

Should reflect: conduct an evaluation of materials from different suppliers to determine those which meet the requirements.



Q22. Discuss three (3) practices that you can implement on a building site to minimise the amount of litter. Briefly explain how each practice works to minimise litter.

Answer

1. Should reflect but is not limited to three (3) of: e.g. Using waste receptacles with lids- lids prevent waste from falling out or being removed by birds scattering into the surroundings.
e.g. organise prefabricated components or designing to standard dimensions to reduce off-cuts.
2. e.g. measure exactly to avoid waste.
e.g. ensure safe and proper material storage – prevent material from escaping into the environment and prevent unintentional loss of material
e.g. reduce packaging waste- organise with supplier to return pallets – cost and waste savings.
3. e.g. Have a selection of rubbish receptacles available on site to sort waste into – cardboard, timber, concrete, plastic, landfill etc. to reduce time and efforts at the end of the build



Q23. Discuss one (1) method you could apply to reduce packaging waste on the building site.

Answer

Should reflect but is not limited to one (1) of: e.g. implement waste segregation methods. By segregating the waste, it becomes easier to see what can be recycled or reused and what needs to be disposed of.
e.g. organise with supplier to return pallets – cost and waste savings.



CPCCBC4021

MINIMISE WASTE ON THE BUILDING AND CONSTRUCTION SITE

WORKBOOK

Participant name	
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FOR THE PARTICIPANT

Instructions

- You will complete written activities as outlined on the following pages. You must attempt all questions and provide enough detail in your responses to demonstrate your knowledge.
- The timeframe for these tasks will be established by your Assessor or Training Provider, but additional time may be allowed upon negotiation with the Assessor.
- You must complete all questions unless stated by the Assessor. Other personnel may refer to reference material as needed. All questions must be answered correctly to achieve a 'Satisfactory' assessment outcome to be awarded.
- An oral examination may be allowed under certain circumstances, whereby your answers will be documented by another party.
 - Any written questions that are incomplete, or not answered satisfactorily will need to be completed again after further training support.
- If you answer a question incorrectly but modify your response, put your initials next to the written change (or the Assessor must initial a verbal change).

Resources required

Pen

FOR THE ASSESSOR

Instructions

- Where oral examination has occurred, ensure that this is acknowledged in writing (e.g. FT001 and Assessor Comments)
- All questions must be satisfactorily demonstrated by the Participant for a Satisfactory determination (indicated by an Assessor tick to the right of the question).
- Assessors are to complete marking in pen of a different colour to the Participant.
- If the Participant verbally modifies their response, write in the modified response verbatim and put your initials next to the written change.

ASSESSOR COMMENTS

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

NOTE

At times, you will be provided with a specific business context to which you must respond, otherwise it is anticipated that you will use a workplace of your choosing (your own, or hypothetical) to provide the context to the task.

At all times, the responses in your assessment must reference **Australian** (Queensland or Federal) documentation, including legislation, regulations, codes of practice, standards and guidance publications.

ACTIVITY 1

This task requires you to research requirements relevant to waste management for a residential building project relevant to the State /Territory and local council your workplace is based in.

Specifically, you are required to identify and document:

- a) One (1) government requirement for each of the following:
 - i. Managing building waste
 - ii. Minimising building waste
 - iii. Source of government information (Information must be currently in force and must come from the commonwealth government, or from your state/territory government.)
- b) One (1) council requirement for each of the following:
 - i. Managing building waste
 - ii. Minimising building waste
 - iii. Source of council information (Information must be currently in force and must come from the council where your workplace is based.)
- c) The following information relevant to the information collected in a) and b)
 - i. Two (2) environmental guidelines related to waste management
 - ii. Two (2) environmental standards related to waste management
 - iii. One (1) environmental regulation related to waste management
 - iv. One (1) sustainability regulation related to waste management
 - v. One (1) sustainability guideline related to waste management

Note: Information collected will inform your responses to Activity 3

State/Territory workplace is based

e.g. Queensland

Local Council workplace is based

e.g. Brisbane City Council

Date document completed

e.g. 24 March 2023

a) One (1) government requirement for each of the following:
i. Managing building waste
e.g. The participant must identify one government requirement for managing building waste. e.g. How waste should be segregated; What types of waste containers should be used; Proper disposal methods
ii. Minimising building waste
e.g. The participant must identify one government requirement for minimising building waste. e.g. Waste reduction targets; What materials can be safely recycled or reused
iii. Source of information (website / URL / document)
e.g. must identify the source of the information above. The source must come from the commonwealth government, or from their state/territory government, and must be currently in force. e.g. ▪ 2018 National Waste Policy ▪ Legislation applied in their state/territory related to waste management Regulations applied in their state/territory related to waste management

b) One (1) council requirement for each of the following:
i. Managing building waste
e.g. The participant must identify one council requirement for managing building waste. e.g. How waste should be segregated; What types of waste containers should be used; Proper disposal methods e.g. BCC - The waste hierarchy is an internationally recognised approach to reducing waste in a meaningful way - 1. Avoid 2. Reduce 3. Reuse 4. Recycle. Recycling for businesses is easy with Council's user-pays business recycling service. This service provides a: weekly or fortnightly wheelie bin recycling collection; or weekly bulk bin recycling collection. The business recycling service is offered on a user-pays basis with bin sizes ranging from 240-340 litre wheelie bins and 660 litre to 4.5 cubic metre bulk bins.
ii. Minimising building waste
e.g. The participant must identify one council requirement for minimising building waste. e.g. Waste reduction targets; What materials can be safely recycled or reused Recycling for businesses is easy with Council's user-pays business recycling service. This service provides a: weekly or fortnightly wheelie bin recycling collection; or weekly bulk bin recycling collection. The business recycling service is offered on a user-pays basis with bin sizes ranging from 240-340 litre wheelie bins and 660 litre to 4.5 cubic metre bulk bins.
iii. Source of information (e.g. insert website / URL / document)
e.g. The source must come from the council for the city where they live, and must be currently in force. e.g. Policies developed by the council; Strategies developed by the council Brisbane City Council

c) i Environmental Guidelines related to waste management (x 2)

1.

e.g. Installing onsite collection for waste

2.

e.g. Making sure that wash areas are far from stormwater drains

Source (e.g. insert website / URL / document)

e.g. Government (commonwealth or state/territory) guidelines; Academic research on environmental topics; Resources developed by non-governmental organisations (NGOs)

c) ii. Environmental Standards related to waste management (x 2)

1.

e.g. Quality standards related to recovering plastic waste on the project site

2.

e.g. What should be included in an environmental management system for the project

Source (e.g. insert website / URL / document)

e.g. Government (commonwealth or state/territory) standards

Standards from International Organization for Standardization (ISO)

Resources developed by non-governmental organisations (NGOs)

c) iii. Environmental regulation related to waste management (x 1)

e.g. Where waste from the project can be disposed of ; Which areas near the project site need to be kept clear

Source (e.g. insert website / URL / document)

e.g. Commonwealth regulations; State/territory regulations

c) iv. Sustainability regulation related to waste management (x 1)

e.g. Requirements relevant to the disposal of material used on project sites

Source (e.g. insert website / URL / document)

e.g. Commonwealth regulations; State/territory regulations

c) v. Sustainability guideline related to waste management (x 1)

e.g.. Best practices for using recycled materials as part of the building and construction project

Guidelines on procurement processes that will reduce packaging waste generated

Source (e.g. insert website / URL / document)

e.g. Government (commonwealth or state/territory) standards
Standards from International Organization for Standardization (ISO)
Resources developed by non-governmental organisations (NGOs)

**Satisfactory
Outcome**



ACTIVITY 2

This task requires you to research requirements relevant to waste management for a commercial building project relevant to the State /Territory and local council your workplace is based in.

Specifically, you are required to identify and document:

- a) One (1) government requirement for each of the following:
 - i. Managing building waste
 - ii. Minimising building waste
 - iii. Source of government information (Information must be currently in force and must come from the commonwealth government, or from your state/territory government.)
- b) One (1) council requirement for each of the following:
 - i. Managing building waste
 - ii. Minimising building waste
 - iii. Source of council information (Information must be currently in force and must come from the council where your workplace is based.)
- c) The following information relevant to the information collected in a) and b)
 - i. Two (2) environmental guidelines related to waste management
 - ii. Two (2) environmental standards related to waste management
 - iii. One (1) environmental regulation related to waste management
 - iv. One (1) sustainability regulation related to waste management
 - v. One (1) sustainability guideline related to waste management

Note: Information collected will inform your responses to Activity 3

State/Territory workplace is based

e.g. Queensland

Local Council workplace is based

e.g. Brisbane City Council

Date document completed

e.g. 24 March 2023

a) One (1) government requirement for each of the following:
i. Managing building waste e.g. The participant must identify one government requirement for managing building waste. e.g. How waste should be segregated; What types of waste containers should be used; Proper disposal methods
ii. Minimising building waste e.g. The participant must identify one government requirement for minimising building waste. e.g. Waste reduction targets; What materials can be safely recycled or reused
Source of information (website / URL / document) e.g. must identify the source of the information above. The source must come from the commonwealth government, or from their state/territory government, and must be currently in force. e.g. ▪ 2018 National Waste Policy ▪ Legislation applied in their state/territory related to waste management Regulations applied in their state/territory related to waste management

b) One (1) council requirement for each of the following:
i. Managing building waste
e.g. The participant must identify one council requirement for managing building waste. e.g. How waste should be segregated; What types of waste containers should be used; Proper disposal methods e.g. BCC - The waste hierarchy is an internationally recognised approach to reducing waste in a meaningful way - 1. Avoid 2. Reduce 3. Reuse 4. Recycle. Recycling for businesses is easy with Council's user-pays business recycling service. This service provides a: weekly or fortnightly wheelie bin recycling collection; or weekly bulk bin recycling collection. The business recycling service is offered on a user-pays basis with bin sizes ranging from 240-340 litre wheelie bins and 660 litre to 4.5 cubic metre bulk bins.
ii. Minimising building waste
e.g. The participant must identify one council requirement for minimising building waste. e.g. Waste reduction targets; What materials can be safely recycled or reused Recycling for businesses is easy with Council's user-pays business recycling service. This service provides a: weekly or fortnightly wheelie bin recycling collection; or weekly bulk bin recycling collection. The business recycling service is offered on a user-pays basis with bin sizes ranging from 240-340 litre wheelie bins and 660 litre to 4.5 cubic metre bulk bins.
Source of information (e.g. insert website / URL / document)
e.g. The source must come from the council for the city where they live, and must be currently in force. e.g. Policies developed by the council; Strategies developed by the council e.g. Brisbane City Council

c) i. Environmental Guidelines related to waste management (x 2)

1.

e.g. Installing onsite collection for waste

2.

e.g. Making sure that wash areas are far from stormwater drains

Source (e.g. insert website / URL / document)

e.g. Government (commonwealth or state/territory) guidelines; Academic research on environmental topics; Resources developed by non-governmental organisations (NGOs)

c) ii. Environmental Standards related to waste management (x 2)

1.

e.g. Quality standards related to recovering plastic waste on the project site

2.

e.g. What should be included in an environmental management system for the project

Source (e.g. insert website / URL / document)

e.g. Government (commonwealth or state/territory) standards
Standards from International Organization for Standardization (ISO)
Resources developed by non-governmental organisations (NGOs)

c) iii. Environmental regulation related to waste management (x 1)
e.g. Where waste from the project can be disposed of ; Which areas near the project site need to be kept clear
Source (e.g. insert website / URL / document)
e.g. Commonwealth regulations; State/territory regulations
c) iv. Sustainability regulation related to waste management (x 1)
e.g. Requirements relevant to the disposal of material used on project sites
Source (e.g. insert website / URL / document)
e.g. Commonwealth regulations; State/territory regulations
c) v. Sustainability guideline related to waste management (x 1)
e.g.. Best practices for using recycled materials as part of the building and construction project
Guidelines on procurement processes that will reduce packaging waste generated
Source (e.g. insert website / URL / document)
e.g. Government (commonwealth or state/territory) standards Standards from International Organization for Standardization (ISO) Resources developed by non-governmental organisations (NGOs)

**Satisfactory
Outcome**



ACTIVITY 3

This task requires you to develop an alternative waste management strategies for Cascade Peak Construction utilising the information researched in Activity 1 and/or Activity 2.

For the purposes of this activity, assume that Cascade Peak Construction is located in the same State and council area specified in Activity 1 & Activity 2

The original waste management strategy is located in the 'Cascade Peak Construction Waste Management Policy and Procedures v1-1 Handout.

Include the following strategies for minimising waste:

- a) A strategy for minimising the amount of site excavation disposed of in a landfill
- b) A strategy for minimising the amount of other materials disposed of in a landfill
- c) A strategy for minimising litter

Each strategy must contain the following information relevant to the strategy:

- i. One (1) calculated cost to implement strategy
- ii. One (1) calculated potential saving
- iii. One advantage compared to the original waste management strategy
- iv. You must be the one to calculate and identify the items above.
- v. Comply with the information that you identified in Activities 1 & 2.

a) Strategy for minimising the amount of site excavation disposed of in a landfill

e.g. The participant must briefly describe a strategy for minimising the amount of site excavation disposed of in a landfill.
e.g. Procedures to be implemented during actual excavation process to minimise amount of excavated material; Procedures for determining what can be recycled from the excavated material

i. Calculated cost to implement strategy (x 1)

e.g. The cost of buying the necessary equipment to implement the alternative strategy;
The cost of having project site waste collected for disposal

ii. Calculated potential saving (x 1)

e.g. The potential saving from using recycled materials instead of disposing the materials as waste;
The potential saving from buying in bulk to reduce packaging waste on the project site

iii. Advantage compared to the original waste management strategy (x 1)

e.g. Increased potential savings compared to the original waste management strategy
Decreased costs compared to the original waste management strategy
Easier implementation of alternative waste management strategy

b) Strategy for minimising the amount of other materials disposed of in a landfill
e.g. Procedures for determining what can be recycled instead of disposed; Procedures for conducting regular inventory to prevent unnecessary materials procurement
i. Calculated cost to implement strategy (x 1)
e.g. The cost of buying the necessary equipment to implement the alternative strategy; The cost of having project site waste collected for disposal
ii. Calculated potential saving (x 1)
e.g. The potential saving from using recycled materials instead of disposing the materials as waste; The potential saving from buying in bulk to reduce packaging waste on the project site
iii. Advantage compared to the original waste management strategy (x 1)
e.g. Increased potential savings compared to the original waste management strategy Decreased costs compared to the original waste management strategy Easier implementation of alternative waste management strategy

c) Strategy for minimising litter
e.g. Types of trash bins to be used on the project site Procedures to ensure material storage
i. Calculated cost to implement strategy (x 1)
e.g. The cost of buying the necessary equipment to implement the alternative strategy; The cost of having project site waste collected for disposal
ii. Calculated potential saving (x 1)
e.g. The potential saving from using recycled materials instead of disposing the materials as waste; The potential saving from buying in bulk to reduce packaging waste on the project site
iii. Advantage compared to the original waste management strategy (x 1)
e.g. Improved compliance and safety

**Satisfactory
Outcome**



CPCCBC4021

MINIMISE WASTE ON THE BUILDING AND CONSTRUCTION SITE

PRACTICAL ASSESSMENT

Participant name	
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FOR THE PARTICIPANT

Instructions

- The tasks outlined on the following pages will require performance of normal workplace activities, as a result of a structured activity set by an Observer in the workplace or a simulated activity set by your Assessor/Observer.
- The timeframe for these tasks will be established by your Assessor/Observer in consideration of location conditions and industry requirements.
- You must complete all tasks as instructed by the Assessor or other personnel unless the steps note this assistance.
- You must attempt all task (and itemised steps) for a 'Satisfactory' assessment outcome to be achieved.
 - For an observation conducted that is incomplete, or without satisfactory performance, the observation will need to be completed again after further training support.

FOR THE ASSESSOR/OBSERVER

Instructions

- The following observation record should be used to judge and record your observations of the Participant as they complete the task(s) set. You must record your observations of the Participant's performance.
 - For each occasion, indicate the task performed and whether it was a simulation or workplace-based task.
 - Any simulated assessment must ensure the Participant still performs under workplace conditions which reflect industry standards.
 - In the comments, provide clear detail regarding the task that the Participant was required to do (e.g. PPE used, materials handled, attachments connected, plant types).
- All steps must be satisfactorily demonstrated by the Participant for a 'Satisfactory' determination (indicated by an Assessor tick to the right of each itemised step, or an Observer tick to the right of each itemised step, and confirmation by an Assessor in the Assessor Comments).
 - Where you have determined that one or more task steps have not been satisfactorily demonstrated, provide the Participant with additional support and outline details of such assistance in the Assessor/Observer Comments. Allow the Participant two (2) further opportunities to demonstrate the task again to allow an opportunity for a 'Satisfactory' assessment outcome to be achieved.
 - If after three (3) attempts the Assessor determines that the Participant cannot demonstrate the required steps, a 'Not Satisfactory' outcome is to be determined.

TASK OUTCOME					
Task	Date	Task Type (Tick)	Location	Task outcome (Tick)	
				Satisfactory	Not Satisfactory
Task 1 (Occasion 1)		☐ Workplace ☐ Simulation		☐	☐
Task 1 (Occasion 2)		☐ Workplace ☐ Simulation		☐	☐

ASSESSOR COMMENTS: GENERAL

As necessary, outline:

- Details on reattempts, alternative arrangements or reasonable adjustments made.
- Where a Participant is deemed 'Not Satisfactory', provide recommendations for future training.

ASSESSOR COMMENTS: PRACTICAL TASK 1: OCCASION 1 Residential construction site

- ☐ Individual student (as named on cover page)
- ☐ Multiple students [☐ All from Attendance Report, ☐ Specific students involved – identify students]

Task	Provide detail
1.3B.	Specify strategies implemented to minimise the volume of site excavation. e.g. leveling and using fill from site as required;
1.3C.	Specify strategies implemented to minimise the volume of other materials that are disposed of in landfill. e.g. reduction of packaging; installation of recycling bins
1.3D.	Specify litter abatement strategies adopted on site. e.g. multiple bins and training in recycling
1.3E.	Specify how safe and environmentally effective disposal of unavoidable waste was instigated. e.g. onsite toolbox talks, pre-start talks and training with rewards for safe and effective waste disposal

ASSESSOR COMMENTS: PRACTICAL TASK 1: OCCASION 2 Commercial construction site

- ☐ Individual student (as named on cover page)
- ☐ Multiple students [☐ All from Attendance Report, ☐ Specific students involved – identify students]

Task	Details
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