

Contribute to sustainability in precast and prestressed concrete operations

Overview

What is this standard about?

This standard states the skills, knowledge and understanding required to demonstrate competence in contributing to maintaining the sustainability of precast and/or prestressed concrete manufacturing operations. This would be achieved by complying with procedures, whilst co-operating in seeking improvements.

Who is this standard for?

This standard is applicable to managers, team leaders, operatives or supervisory staff working in the precast and prestressed concrete products manufacturing industries.

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Performance criteria

You must be able to:

1. carry out work activities in accordance with **approved policies, procedures and practices**
2. identify opportunities to reduce consumption of cement, concrete, resources or energy
3. identify operations or activities that may produce waste products, pollution or environmental issues
4. monitor usage of cement, concrete, resources and energy
5. report according to organisational requirements any significant or unexpected change in the use of cement, concrete, resources or energy
6. report according to organisational requirements opportunities to improve the efficiency of resource or energy usage
7. dispose of waste, segregating potentially hazardous materials and recyclable materials

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Knowledge and understanding

You need to know and understand:

1. the **approved policies, procedures and practices** for your area of responsibility
2. the importance of sustainability to the concrete industry and the organisation
3. the potential causes of environmental damage or nuisance from your area of responsibility
4. methods for minimising damage or nuisance to the environment
5. the types of waste associated with the work activity and methods of recycling and waste disposal (hazardous and non-hazardous)
6. the hazards associated with cement powder and concrete
7. the storage requirements for cement powder
8. the consequences of the company polluting the surrounding area
9. the benefits of a well implemented and structured sustainable policy
10. how to monitor the usage of cement, concrete, resources and energy in your area of responsibility
11. how energy can be wasted in your area of responsibility
12. how to identify significant or unexpected changes in the use of cement, concrete, resources or energy
13. the process to report opportunities to improve the efficiency of resource usage
14. who to contact to deal with a problem outside your area of responsibility

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Scope/range

- 1. approved policies, procedures and practices:** legislative, organisational, operational, accident or emergency, health and safety, first aid, and environmental as appropriate to the location and work activity

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