



Careers in manufacturing: environmental management

Overview

This information sheet covers the following occupations within the environmental management sector:

- Environmental manager
- Environmental scientist.

Environmental manager

Environmental managers plan, organise, direct, control and coordinate the development and implementation of an environmental management system within an organisation by identifying, solving and alleviating environmental issues, such as pollution, waste treatment, water and air quality levels to ensure compliance with environmental legislation.

Relevant qualifications:

- Diploma of Environmental Monitoring and Technology
- Vocational Graduate Certificate in Environmental Management

Environmental scientist

Environmental scientist study and develop policies and plans for the control of factors which may produce pollution, imbalance in or degradation of the environment.

Specialisations:

- Air pollution analyst
- Ecologist
- Land degradation analyst
- Water quality analyst

Relevant qualifications:

- Diploma of Environmental Monitoring and Technology
- Vocational Graduate Certificate in Environmental Management

Skill Sets

For those who are responsible for determining energy procurement and sustainability risk as part of their job role a number of Skill Sets are available.

Audit energy usage for a work area

The skills required to undertake an energy audit for a defined process or a work area and recommend energy improvements based on the audit.

Determine energy usage

The skills required to measure and calculate the energy consumption of the whole organisation taking into account carbon 'sinks' such as offsets, sequestration or co-generation. The information is used in decisions about managing energy use.

Improve energy usage for a process or organisation

The skills required to make energy efficiency improvements that are both strategic and embedded into day-to-day work.

Improve energy usage for a work area

The skills required to make improvements in a defined work area or process where energy efficiency is a key sustainability issue.

Recommend energy improvements

The skills required to use mathematics and process data to analyse energy consumption and generation in the organisation and recommend where to target improvements.

Reduce sustainability risk

The skills required to analyse the sustainability risks in a process and/or value chain and recommend how to reduce those risks.

More information:

www.sustainabilityskills.net.au

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