

Environment Management Series



TASK ENVIRONMENTAL CONSIDERATIONS

TOOLBOX PRESENTATION – SIMEC Mining & Whyalla Shared Facility

Environment Management Series: EMS007 – Key Information: Task Environmental Considerations (V3)
(SIMEC Mining & Whyalla Shared Facility)

BEFORE STARTING A JOB



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- A large, green, leafy tree stands in a grassy field under a blue sky with light clouds. The tree's canopy is shaped like a large question mark, symbolizing inquiry or uncertainty.
1. Consider ALL potential environmental IMPACTS
 2. Are you aware of the environmental CONTROLS that must be in place?
 3. Are all environmental hazards and associated controls adequately covered in the paperwork and communicated?

BEFORE STARTING A JOB

1. Before starting you must think about what possible environmental impacts might occur, for example:

- Will it cause dust/fume emissions?
- Will there be waste produced and where will it be disposed of?
- Is there potential for leaks?
- Are all pollution controls working effectively (e.g. sprays, dust collectors, road dust suppression)?
- Is there a contingency plan if something goes wrong? for example - stopping pollutants entering a drain, the atmosphere, or soaking into the ground
- Is water & energy being used efficiently?
- Will any vegetation be removed or cleared?

Consider **ALL** Environmental Aspects of the job
(interactions with the environment)



BEFORE STARTING A JOB

2. Environmental controls

- Are you aware of the environmental controls that must be in place?
- Are the controls adequate (i.e. preventing environmental impact)?



Some examples:

- Pollution control equipment is operational (i.e. shrouds, sprays on transfer points)
- Water carts / chemical dust suppressants / paper pulp
- Chemicals / oils banded.
- Specific handling instructions to minimise environmental impacts
- Specific waste disposal instructions, adequate bins available
- Restrictions on what can be done based on adverse weather conditions
- Spill kits / clean up material available



BEFORE STARTING A JOB



3. Are all Environmental hazards & associated controls adequately covered in the documentation?

Before starting a task it is important that all potential environmental impacts are considered, controlled, documented and communicated.



➤ **Are all of the hazards addressed / controlled?**

(i.e. in a WI, QP, in a separate Environment Management Plan (EMP), covered in SSOW paperwork (JSEA), Take-2)

➤ **Responsibility** for each control measure must be assigned in the paperwork and communicated to all involved.



ENVIRONMENT MANAGEMENT PLAN (EMP'S)



What is an Environment Management Plan (EMP) and when do we need one?

The aim of an EMP is to identify and document specific environmental risks for an activity and the corresponding controls and responsibilities.

An Environment Management Plan (EMP) must be developed for any proposed or existing activity if:

- The SSOW paperwork (JSEA) can't adequately deal with the environmental hazards, or
- Requires a number of environmental controls, or
- The potential environmental impacts may extend off site, or
- The activity is of large scale

Ask the Environment Department for assistance in developing an EMP if required.

➤ *Refer to QP50.50 Guidelines on the preparation of an EMP.*

Attachment 1

ENVIRONMENT MANAGEMENT PLAN

3.3 EMP Table (below)

ENVIRONMENTAL INTERACTION ('Aspect or Cause')	CHANGE TO ENVIRONMENT ('Impact or Effect')	CONTROL/ MANAGEMENT MEASURES	MONITORING CRITERIA (what will be monitored and target values)	MONITORING FREQUENCY	MONITORING - MANAGEMENT RESPONSIBILITY	REPORTING FREQUENCY	REPORT TO
<i>EXAMPLE</i> Dust emitted to air	<i>EXAMPLE</i> Dust deposition on adjacent vegetation	<i>EXAMPLE</i> Water carts on open areas/ mist sprays activated on crushing and screening plant. Postpone activity if emissions reach FDR 2	<i>EXAMPLE</i> Dust emissions levels using the FDR standard. Target emission value = FDR 0. Emissions are not to exceed FDR1	<i>EXAMPLE</i> Continuous	<i>EXAMPLE</i> Activity Supervisor	<i>EXAMPLE</i> Daily	<i>EXAMPLE</i> Project Controller

YOUR RESPONSIBILITIES

What are your individual responsibilities?

- Ensure ALL potential environmental impacts associated with any task that you perform or manage are controlled.
- **You must; read, understand & adhere to** all environmental controls associated with the task
- If in doubt contact the Environment Department (4450)

REMEMBER:

'A person must not undertake an activity that pollutes, or might pollute the environment unless the person takes all reasonable and practicable measures to prevent or minimise any resulting environmental harm'

General Environmental Duty (Individual Responsibility)

