

Environment Management Series

ENVIRONMENT INCIDENT IDENTIFICATION & RESPONSE TOOLBOX PRESENTATION

Environment Management Series: EMS004 – Key Information: Env Incident Identification & Response (V3) (SIMEC Mining)

WHAT IS AN ENVIRONMENTAL INCIDENT?



An environmental incident is an unexpected, unplanned occurrence, which resulted in, or has the potential to result in, property damage, environmental harm or nuisance

Why is it important that we report **all** environmental incidents?

- ➤ We all have a duty to report pollution incidents under the SA Environment Protection Act, 1993 & to adhere to our environmental licence.
- > To ensure they are Investigated & root causes are identified
- > To ensure corrective actions implemented and reviewed for effectiveness to prevent reoccurrence

Report all Environmental Incidents (events), Hazard – Unsafe Conditions, Hazard – At Risk Behaviours into MyCority.

SIMEC

Bunding, spills & leaks -



Oil spill to ground



Oil spill from damaged hydraulic line



Oil spills/ leaks onto compromised temporary bunding



Un-bunded oil drums



Coolant spill to ground



Portable bund full of water & rubbish



Hydraulic oil leak from truck



Large oil spill was from a temporary storage tank pump connection failure

REPORT spillage of oil, hydraulic fluid, fuel, acid, chemicals or other pollutants to:

- ground any amount >20L to sealed or unsealed surface
- drains, fresh water ponds all discharges regardless of volume
- bunding failures or issues





Dust -



Excessive fugitive dust from vehicle- FDR 2



SMR fixed plant crusher dust- FDR 3



Material handling dust FDR 2 impacting outside of work area



Pellet stacking dust-FDR 3 impacting off site

REPORT dust emissions (in line with the Fugitive Dust Ranking system) from:

- material handling / mobile equipment working areas (including crushing & screening

plants)

process dust

stockpile fugitive dust

open area fugitive dust

roads / vehicle activity

- material transfer points

An incident must be reported for dust emissions that reach FDR2 and the activity continues without all the EMP controls in place, or if dust emissions reach FDR3 and the activity is not stopped.



Waste -



General rubbish bin – waste not segregated





Paper/ Cardboard bin contamination



Large piles of scrap steel, cardboard & plastics left for long periods & not put in designated bins

REPORT inappropriate waste disposal such as:

- incorrect disposal of waste in non-approved locations
- contamination of waste bins (mixed waste) resulting in breach of licence conditions
- non-approved transport of waste to & from the site



Other -











Impacts to fauna

Water leaks

OBP tailings leak

Unauthorised vegetation clearance

REPORT the following as incidents:

- any vegetation clearance without environmental approval (Native Veg. Act, 1991)
- resource wastage (water or energy) i.e. any continuous leak, water wastage over 1000L over any period or any ongoing
 power wastage event requiring an action to rectify.
- impacts on flora & fauna
- pollution control equipment any equipment malfunction resulting in visible emission OR operating plant without pollution control equipment

BASIC INCIDENT RESPONSE

Environment Incident occurs





Supervisor informed



Where pollution is occurring (if appropriate & practical), and without risk to personal safety, take action to stop it, or minimise its effects



Notify Shift Foreman / Department Manager / Project Controller of all other incidents as soon as practical



Serious environment incidents only- If the incident has caused or had the potential to cause minor or serious effects on the biological or physical environment (or environment consequence category ≥2) notify the Manager of Environment on mobile # 0408 386 340 as soon as practical of the incident to allow the EPA to be informed if required.



Initial information entered into the Event Recorder database (MyCority) within 24 hours



Complete the environment incident report no later than 5 working days from the date of the incident



Review incident investigations to ensure corrective actions are implemented and effective





- Open MyCority access from the SharePoint home page
- Select 'New Event Report'
- Select 'Environment Event'
- ➤ Enter details of the incident including immediate actions taken, pollutant information, root cause, actions to prevent re-occurrence & attach any photos



