Environment Incident Identification & Response
(Mining Areas)

Environment / Sustainability

Toolbox Presentation

Environment Management Series: EMS004
– Key Information: Environment Incident Identification & Response Presentation
Why is it important that we report all environmental incidents?

- We have a duty to report pollution incidents under our PEPR requirements, Mining Lease conditions and the SA Environment Protection Act.
- To ensure they are Investigated & root causes are identified
- To ensure corrective actions implemented and reviewed for effectiveness to prevent reoccurrence

It is important that you report all incidents and near misses immediately, no matter how big or small the environmental impact is.
Examples of incidents

**Bundling, Spills and Leaks** -

- Oil spill to ground
- Oil spills/ leaks onto compromised temporary bunding
- Coolant spill to ground
- Hydraulic oil leak from truck
- Oil spill from damaged hydraulic line
- Un-bunded oil drums
- Portable bund full of water & rubbish
- 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
Examples of incidents

**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.
Examples of incidents

**Waste -**

- General rubbish bin – waste not segregated

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
**Examples of incidents**

**Other -**

Unauthorised vegetation clearance

Impacts to fauna

Water leaks

Exterior lighting left on during the day

OBP tailings leak

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**REPORT the following as incidents:**

- Any vegetation clearance without environmental approval (Native Veg. Act)
- Resource wastage (water or energy) i.e. any continuous leak, water wastage over 1000L over any period or any power wastage event.
- 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 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
How do I report an incident?

Use the ‘Event Recorder’ database located on the OneSteel Whyalla Steelworks & Arrium Mining intranet home page- ‘Enviro Incident’ tab