

Environment Management Series

ENVIRONMENT INCIDENT IDENTIFICATION & RESPONSE TOOLBOX PRESENTATION

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.

EXAMPLES OF INCIDENTS

Bunding, spills & leaks -



Oil spill to ground



Oil spills/ leaks onto compromised temporary bunding



Coolant spill to ground



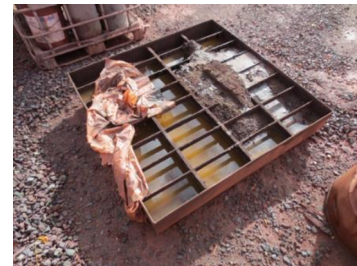
Hydraulic oil leak from truck



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



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

EXAMPLES OF INCIDENTS

Other -



Impacts to fauna



Water leaks



OBP tailings leak

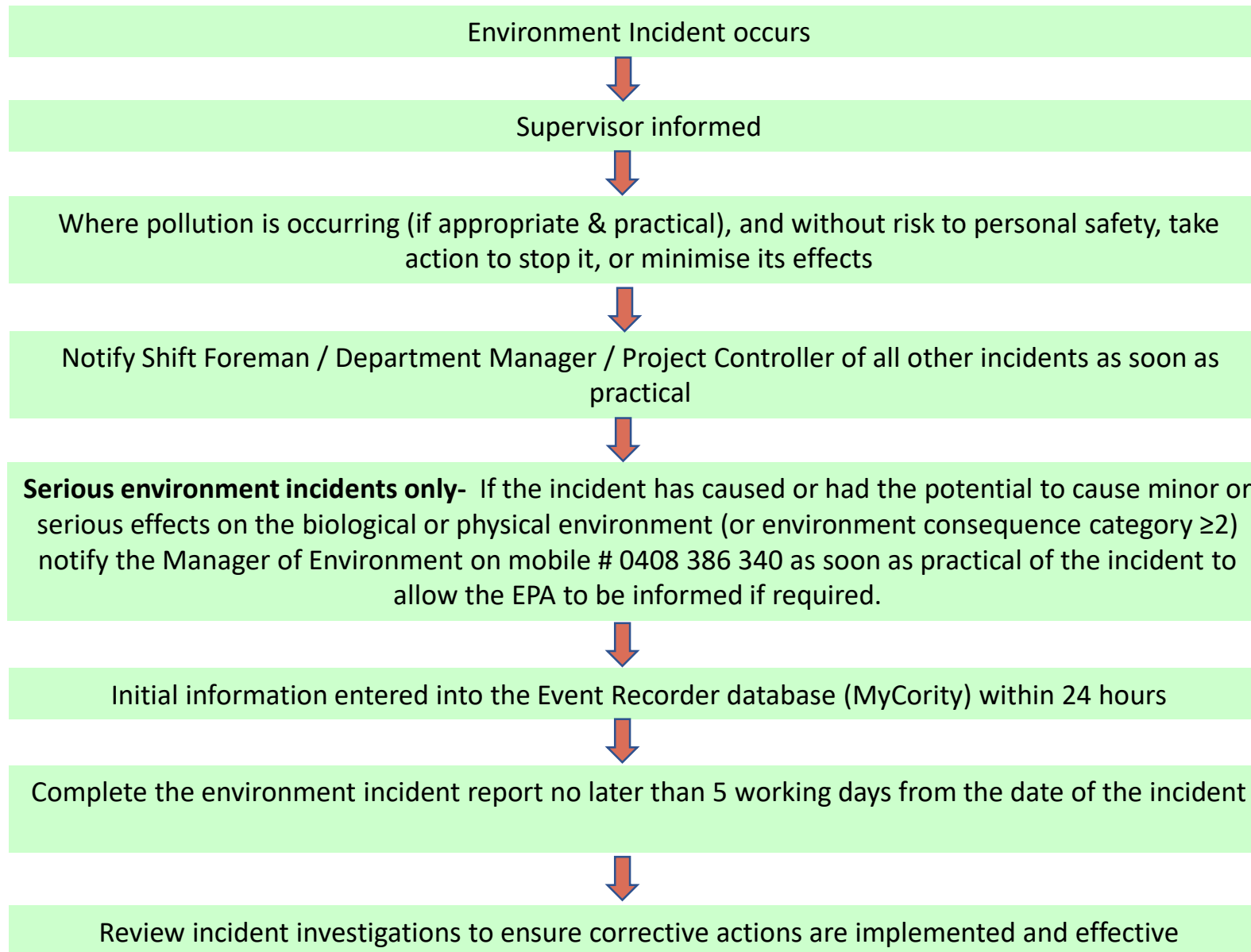


Unauthorised vegetation clearance

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



HOW DO I REPORT AN ENVIRONMENT INCIDENT (EVENT)?

- 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

