

Environmental impact: risk assessment: Amendments for variation application, November 2020

Assessment of risk from Odour, Noise and Fugitive emissions

What do you do that can harm and what could be harmed?			Managing the risk		Assessing the risk	
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk?
What has the potential to cause harm?	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs, who is responsible for what?	How likely is this contact?	What is the harm that can be caused?	What is the remaining risk? The balance of probability and consequence
Odour	Neighbouring dwelling houses within 400m of the installation	Air	<p>The replacement of an old building with a new, state of the art building will reduce odour risk.</p> <p>Management measures aimed at reducing possible impacts under the existing permit will apply. The existing unit does not cause issues to neighbours and the new building will not create any novel impacts.</p>	Very unlikely to cause any new issues	Odour annoyance	Not significant
Noise	Neighbouring dwelling houses within 400m of the installation	Air	<p>New machinery and equipment will be sited with care to reduce any risk of noise.</p> <p>Management measures under the existing permit will apply. The existing unit does not cause issues to neighbours and the new building will not create any novel impacts.</p>	Very unlikely to cause any new issues	Noise nuisance	Not significant
Fugitive emissions: dust, ammonia, zoonoses	Neighbouring dwelling houses within 400m of the installation	Air	Management measures aimed at reducing impacts from fugitive emissions under the existing permit will apply. The existing unit does not cause issues to neighbours	Very unlikely to cause any new issues		Not significant

Accident Management Plan

What do you do that can harm and what could be harmed			Managing the risk	Assessing the risk		
Hazard	Receptor	Pathway	Risk management	Probability of exposure	Consequence	What is the overall risk?
What has the potential to cause harm?	What is at risk? What do I wish to protect?	How can the hazard get to the receptor?	What measures will you take to reduce the risk? If it occurs – who is responsible for what?	How likely is this contact?	What is the harm that can be caused?	What is the risk that still remains? The balance of probability and consequence.
Spillages, leaks, containment failure, safe storage, vandalism, fire, flood, power failure. Harm from: Polluting liquids, Dust / fine particulates	Ground or surface water, local habitats Neighbouring dwelling houses Staff members, Livestock	Overland flow, infiltration to ground, passage through the air	Management measures aimed at reducing the risk of adverse environmental impacts under the existing permit will apply. The existing unit does not cause environmental issues and the new building will not create any novel risks.	Very unlikely	Contaminate water; damage habitats; damage to human health; poor animal welfare	Not significant with measures indicated