

E 4 Emissions to Ground

There are no existing direct or indirect emissions to ground. Rainwater run-off from the paved area around Building 4 will, following its construction, be discharged to a soakaway via an appropriately sized oil interceptor. The proposed changes to the licensed activities will not result in any new direct or indirect emissions to ground.

The concrete floors inside the buildings, in the bunded areas and paved open yards used by vehicles comply with design specified in the Waste Licence. All the bunds, tanks and the underground drainage pipes are subject to routine inspection and integrity testing to confirm they are fit for purpose.

There is the potential for leaks/spills to ground during refuelling of the oil storage tank associated with the back-up generator. The potential pathways to the ground include damaged paving and direct infiltration in unpaved landscaped areas. Other potential sources include leaks from the surface water drainage system.

The site design and the inspection and testing of the bunds and tanks, pipelines and containers minimise the risk of uncontrolled release of spills/leaks to the subsoil, which is the pathway for the downward movement of contaminants towards the water table. The nature and thickness of the subsoils (>10m of clayey till) effectively impede the downward migration of contaminants.

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