

DP-SK- Secondary Containment Information

The 'Control and monitor emissions for your environmental permit' (Environment Agency 2022) and 'Pollution prevention for businesses' (Environment Agency 2024) guidance has been reviewed. This will ensure the effluent treatment plant emissions are monitored and controlled.

The tanks will have sufficient bunding to prevent leaks or accidental release of effluent that could cause pollution from the effluent treatment plant. The bunding will be a 1.3-meter-high concrete bund surrounding the whole of the works. It will be waterproof and resistant to the effluent which is processed through the plant. Monitoring of the annulus using specific analysers or level detection can alert the operator to the problem. Tanks will be fitted with high level alarms and pump inhibitors to avoid the risk of overtopping the tanks.

The bunding will have a capacity larger than both of the following:

- 110% of the largest tank the bund is protecting
- 25% of the combined volume of all the tanks the bund is protecting

The 10 percent margin will cover a range of factors including:

- An allowance for rain that might collect in the bund and reduce its net capacity, or for rain that might fall in coincident with, or immediately following, the failure of the primary containment.
- Prevention of overtopping of the bund in the event of a surge of liquid caused by the catastrophic failure of the primary tank.
- An allowance for firefighting agents, including a foam blanket on the surface or firefighting water.

In the event of a leak or accidental release of effluent, the effluent will be contained within the bund and drain to a blind collection point. Within the bund there will be a tanker connection point where any effluent leakage can be removed and reprocessed back into the effluent treatment plant. There is no underground pipework within the Effluent Treatment Plant compound.

Dovecote Park Ltd will have a maintenance and inspection schedule in place to ensure integrity of the bund. Regular maintenance and inspection will ensure bunding is working correctly and that there are no cracks, and the bunding does not become contaminated or blocked as this may cause it to leak and ensure accumulated rainwater is removed by pump regularly.

The site will incorporate the effluent treatment plant into its pollution incident response plan as part of the sites Environmental Management System, setting out what to do in an emergency. This will include:

- Emergency contact details
- A product inventory, including a product safety data sheet (SDS)
- A site layout plan

- A plan of the drainage arrangements on the site
- Details of the location of emergency response equipment
- Emergency procedure
- How to report incidents