

DP-SK-Daily Maximum Volume

The daily maximum volume of effluent to be discharged will be 200 m³ per day. The installation is expected to process a throughput of 350 cattle per day. The Skellingthorpe site is more efficient with its water consumption with the volume of water required per animal reduced from 677 litres/head to 450 litres/head.

Therefore, the effluent generated would be 157.5 m³ per day based on 450 litres per animal. This ensures there is adequate storage in both the flow balance tank and emergency buffer tank, factoring in wet weather and other than normal operating conditions. The emergency buffer tank will ensure there is adequate storage capacity should other than normal operating conditions occur. This will ensure 1 day's emergency containment.

The Effluent Treatment Plant will have a remote monitoring system including a final effluent sampling chamber enabling daily flow to be measured. This remote monitoring ensures flow can be stopped at any time with turbidity and ammonia meters installed with alarms to provide remote effluent quality monitoring, ensuring compliance with permit conditions. Tanks will be fitted with high level alarms and pump inhibitors to avoid the risk of overtopping the tanks.