


External Above Ground Storage Tanks (ASTs) & Hazardous Chemical Storage

Ref	Type	Notes
AST 1 & AST 2	<p>Adjacent to Effluent plant</p> 	<p>AST 1 - Aluminium Sulphate (4,500 litres)</p> <p>AST 2 - Sodium hypochlorite (32%) 3,000 litres</p> <p>Minibulk tank designed with integrated seal bunds (tank within a tank) providing 110% tank volume containment. The tanks have not been modified and are in good condition.</p> <p>Additionally, located within concrete bund (providing >25% of the combined volume of both tanks). The location of the tanks is within tertiary containment of the effluent plant compound. Tanks, bunds and associated infrastructure is visually inspected daily.</p> <p>These treatment chemicals whilst presenting a Moderate to High Risk to the environment however, the likelihood of loss is considered to be Low given that they will be stored within integrated bunds, further concrete bund within the effluent plant compound.</p>

<p>AST 3</p>	<p>Sludge Tank Adjacent to Effluent plant</p> 	<p>Rigid Plastic 9,000l sludge tank within effluent plant compound.</p> <p>All plant inclusive of the sludge tanks is sited on purpose built bunded concrete pad with suitable reinforcement and foundations to prevent settlement, slab failure and cracking. The volume of the bund exceeds 110% capacity of the tank. There are no pipework intrusions compromising the function of the bund.</p> <p>Drainage within the effluent compound is designed to manage any run-off from process side (i.e. treatment liquors) and surface water run-off (rainwater and wash down water) to the effluent reception sump for treatment prior to discharge under consent from South West Water. The effluent containment area is in effect the combined volume of the bunded area and the reception sump.</p>
<p>AST 4</p>	<p>Diesel Fuel Tank Adjacent to Firewater tank</p> 	<p>2500l Rigid plastic self bunded tank for MHE refuelling and sprinkler pumps</p> <p>Minibulk tank designed with integrated seal bunds (tank within a tank) providing 110% tank volume containment to comply with Oil Storage Regulations. The tank has not been modified and is in good condition.</p> <p>Oil tank is further located within a concrete bunded kerb to provide impact protection from vehicle movement etc</p>

Haz
Store
1

External IBC Storage adjacent to effluent plant



Acid dosing IBC 2 x 100l IBC serving effluent plant

Integral bunded safe chemical stores. Installed June 2020 in response to wider site chemical storage upgrades

Haz
Store
2

External Hazardous Chemical Storage Units



Chemical storage for storage of carboys/drums for proprietary cleaning chemicals adjacent to nitrogen tank and engineering department

Integral bunded safe chemical stores. Installed June 2020 in response to wider site chemical storage upgrades