

1. Process/Storage Areas
(Within any [packaged waste storage containment bunds / Tank Farm Bund / Haz Transfer station [A] (whole area) / Packaging Recycling Bunded area [B] (whole area)



RAINFALL

All Water falling within hazardous waste storage areas - A, B + Lower Yard Bunded storage or process areas

Potentially contaminated Rainwater from Waste storage Areas / Tank Farm Bund or after any spillages

Local Sumps from bunded areas Pumped out manually by BKP into IBCs with local pump / Tanker

Effluent tested then treated onsite if required via **Oil/Water Treatment - AR1 - EPR/FP3599LH - D20 Tank**

Treated Effluent tested and Stored in Bulk Storage Tank - **T4**

Treated Effluent within specification Transferred by road tanker to receiving WWT works for further treatment

Any potential Hydrocarbons recovered seperately - Transferred to third party for recovery

Final discharge to environment via Wessex Water / Southern Water after further treatment at receiving WWT works

Effluent Tankered offsite to suitable 3rd party facility

Results out of specification for soakaway discharge

2. Non Storage or Non-Process Areas (outside of any storage Bunds) with only vehicle movements in lower yard (Pink Area)



RAINFALL

Have any spillages occurred when offloading into storage areas from main yard?

Yes

No

Very low risk of contamination rainwater from non-process & non-storage areas onsite. All water within bunded storage or process areas processed seperately

Flow via gravity of rainwater into onsite drainage system to Interceptor in bottom corner of yard

Water pumped from onsite Interceptor via static pump and pipework **INT** in lower yard into **T7**

Interceptor emptied every 3 months from solids and waste treated onsite or sent offsite

Filterpress to remove any fine suspended solids - **C22 - Filterpress**

Surface water polishing filtercake - 190206

Filtrate <50ppm Suspended solids in after filterpress in **T6**

Activated Carbon filtration/Absorption - Step 1 - **C34 - Carbon Filter**

Activated Carbon filtration/Absorption - Step 2 - **C34A - Carbon Filter**

Any potential organic contaminants absorbed on activated carbon - Carbon replaced periodically when efficacy decreases - Expected once every 6 months minimum. 2 Stages to ensure efficacy

Filtrate transferred to self-bunded 70m3 holding tank **T8** for confirmity testing prior to discharge

Analysis on T8 completed by BKP Chemists **BKP-SO-LAB1**

Results within specification

Clean Effluent Discharged

Final Manual discharge via soakaway **SO1** Within vehicle parking area after sign off from Site Manager at max 7.5m3/hour via fixed pipework and pump from T8 to SO1



Surface Water Management Flow Diagram