












Bund Inspections



Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
B1	Viscose storage bund	North end RTTM	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Bund walls have been raised and new floor surface has been laid. Bund wall and bund surface have been coated with a chemical resistant paint (3 layers).</p> <p>Bund surface is washed down every shutdown.</p> <p>Bund can contain 110% of T1.</p> <p>Bund provided with sump for submersible pump.</p> <p>Floor needs levelling – metal studs in ground exposed and trip hazards.</p> <p>Hazmat and sink left in bund.</p> <p>Photo of Bund:</p>  <p>Photo of Sump:</p> 	15.12.25	<p>Floor trip hazards need to be removed.</p> <p>Hazmat suit to be removed from bund.</p>
B2	Caustic storage bund	North end RTTM	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Caustic transfer pumps are positioned within the bund and will be submerged in the event of a failure of tank integrity.</p> <p>Tools are stored in the bund.</p>	15.12.25	Tools to be properly stored.

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
							<p>Excess solid caustic on pipework.</p> <p>Photo of Bund:</p> 		<p>Caustic to be removed from pipework.</p> <p>(Pipework is to be replaced in 2026).</p>
B3	Acid bund	North end RTTM	Reinforced concrete	Yes	No	<p>6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)</p>	<p>Acid transfer pump are positioned within the bund and will be submerged in the event of a failure of tank integrity.</p> <p>Bund floor and wall repaired and painted with chemical resisted paint in March 2005</p> <p>No outlet present</p> <p>The overflow pipe of the effluent day tank which contains 32% caustic, is routed to a 205 lt drum to collect any spillages.</p> <p>Slight damage to bund wall.</p> <p>Chisel left in bund, broken concrete present in bund,</p> <p>Photo of Bund:</p> 	15.12.25	<p>Debris to be removed from bund.</p>
B4	RTTM bund	RTTM	South part of RTTM is made from reinforced concrete, the north part of RTTM is made	Yes	No	<p>6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)</p>	<p>Reports automatically to effluent treatment sump by a level controlled submersible pump</p> <p>Poor surface around setting bath and tank 1. South end of bund has been repainted. Repair to gully was carried out in Nov '06.</p> <p>Bund cleaned after each production run.</p>	15.12.25	<p>Scrap steel to be removed with next metal scrap load.</p>


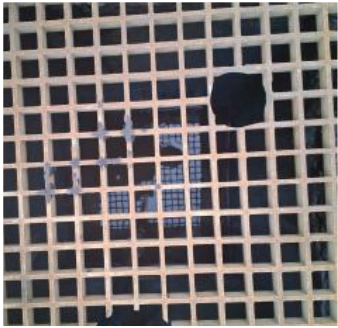
Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
			of acid resistant reinforced concrete coated with acid resistant epoxy paint.				<p>IPPC improvement programme reference number 3 To be improved by 01.12.09, South end only</p> <p>Bund wall painted during summer shutdown 2010.</p> <p>Only roof above reelers is now old style roof, rest is new roof, fibreglass coated on the inside.</p> <p>New section of bund wall has been constructed along side existing wall along side storage tanks and setting bath make-up tank. New gulley alongside RTTM has been installed in Summer '17.</p> <p>Scrap steel in bund.</p> <p>Floor is poor under tanks 1 and 2.</p> <p>Photo of Bund:</p>  <p>Photo of Sump:</p> 		
B5	Printing bund	Printing area	Reinforced concrete	Yes	Yes	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Overflow of printing sump reports to preservative preparation sump under gravity followed by automatic transfer to RTTM bund by a level controlled submersible pump.</p> <p>Overflow from printing sump to preservative sump (under gravity).</p> <p>Bund cleaned in 2016</p> <p>Photo of Bund:</p>	15.12.25	-

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
									
B6	Preservative preparation bund	Preservative area	Reinforced concrete	Yes	Yes	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Reports to preservative preparation sump under gravity followed by automatic transfer to RTTM bund by a level controlled submersible pump</p> <p>Preservative transfer and circulation pumps are positioned within the bund and will be submerged in the event of a failure of tank integrity</p> <p>Small crack in floor, however doesn't appear to leak. Crack lies higher than drainage sump.</p> <p>Gulley to ink room should be closed however a spillage never occurred.</p> <p>Trailing flexi hose is a trip hazard</p> <p>Photo of Bund:</p> 	15.12.25	Flexi Hose to be properly stored.

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
							Photo of Sump: 		
B7	Pigment preparation bund	Pigment area	Reinforced concrete	Yes	Yes	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Reports to effluent treatment sump under gravity Contains toy grade pigments and are non toxic. Bund is accessible by trolley via a ramp 24.08.05 – Small crack along length of floor No outlet present Outlet to effluent sump. Trailing flexi hose is a trip hazard Photo of Bund:  Photo of Sump: 	15.12.25	Flexi Hose to be properly stored.
B8	Scrubber	Yard	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Caustic transfer and circulation pumps are positioned within the bund and will be submerged in the event of a failure of tank integrity Reports to spent caustic tower (which is located in the scrubber bund) by a automatically operated level controlled submersible pump 24.08.05 – Slight erosion at base of bund wall Bund located outside	15.12.25	-

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
							<p>No outlet present Transfer of solution via submersible to spent caustic tank.</p> <p>Bund regularly cleaned. Improvement programme going on at present.</p> <p>Photo of Bund:</p>  <p>Photo of Sump:</p> 		
B9	Waste chemicals storage bund	Yard	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Liquor is transferred manually to scrubber bun/middle sump by a level controlled submersible pump</p> <p>Bund is accessible by FLT via a ramp Bund located outside</p> <p>Bund located outside</p> <p>No outlet present. Transfer of solution via submersible into middle sump.</p>	15.12.25	-
B10	Viscose off-loading bund	Yard	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Liquor is transferred manually to scrubber bund/middle sump by a level controlled submersible pump</p> <p>Bund wall has been reinforced with an inner concrete wall. Wall and floor have been coated with a chemical resistant paint (Jan 2010)</p> <p>Bund located outside</p> <p>No outlet present. Transfer of solution via submersible pump to middle sump.</p>	15.12.25	-

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
							During viscose offloading drains in yard are covered to prevent release to river		
B11	Waste solvent bund	Yard	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Fixed tank present. Each compartment has a volume of 0.5 m ³ . Bund wall and bund surface have been coated with a chemical resistant paint (2 layers) (July 2009). Tanks removed from underneath canopy in summer '17. Bund regularly cleaned Some weeds growing around area (05.07.24)	15.12.25	
B12	Solvent storage bund	Yard	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	2 IBC's stored on a platform accessible by steps. Bund can't contain the volume of 1 IBC. Bund wall t repaired on 17.09.07 Bund wall and bund surface have been coated with a chemical resistant paint (2 layers) (July 2009).	15.12.25	-
B13	Hydrogen peroxide storage bund	North end RTTM	PVC	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Bund is large drip tray Pipes and Berol stored on bund aswell as hydrogen peroxide.	15.12.25	-
B14	Caustic day tank bund	RTTM bund	PP	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	PP tank with integral bund New roof above bund. Bund regularly cleaned. Chemical residue in the bund.	15.12.25	Pump out solution in the bund. Ensure the floor is level.
B15	Sulphuric acid make-up tank bund	RTTM bund	PP	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	PP tank with integral bund New roof above bund	15.12.25	Ensure the floor is level.
B16	Sulphuric acid day tank bund	RTTM bund	PP	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	PP tank with integral bund New roof above bund. Bund regularly cleaned.	15.12.25	Ensure the floor is level.
B17	Spent acid bund	RTTM bund	Reinforced concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Concrete bund underneath RTTM T1 and T2, coated with a chemical resistant paint. (this was an improvement condition in the IPPC permit) New roof above bund.	15.12.25	Test unknown chemical and dispose of. Pump out solution in the bund.
B18	Dosing pump bund	RTTM bund	Reinforced concrete	n.a.	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Concrete bund coated with a chemical resistant paint. This bund holds 3 dosing pumps. The bund provides capacity in the event of a leaking pump	15.12.25	-

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
							<p>New roof above bund.</p> <p>Caustic build-up on pump.</p>		
B19	Sulphuric acid bulk storage tank	Acid bund	PP	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>PP tank with integral bund</p> <p>New roof above bund.</p> <p>New pipework installed</p> <p>Lose pipe debris in bunded area</p>	15.12.25	-
B20	Maintenance oil storage drip tray (compressed air dryer room)	Compressor Room	PVC	No	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Small drip tray in compressor dryer room.</p> <p>Roof holes are blocked with debris.</p> <p>Bund is too small for the amount of oil stored.</p>	15.12.25	<p>Bund to be cleaned.</p> <p>Bund size to be assessed, either oil amount reduced or bund increased.</p>
B21	Outer treatment bund (caustic dosing)	Yard	Concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	<p>Can store 250 lts</p> <p>No roof present</p> <p>Sump Image:</p>  <p>Sump Image:</p> 	15.12.25	-

Bund No.	Name	Location	Construction Material	Sufficient capacity ⁽¹⁾	Outlet (yes/no)	Testing	Observations	Inspection date	Corrective Actions
B22	Effluent day tank	North end RTTM, within bund B3	Concrete	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Bund constructed in May 2014 to contain contents of effluent day tank. This was a requirement from a RA and NRW observation. Caustic residues on floor. Rusting grate roof to be monitored – currently strong enough,	15.12.25	-
B23	Saniflo bund	Yard	PVC	Yes	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Drip tray only No roof above drip tray. IBC only contains hand wash water (Dec'19) Tray buckles slightly (17.06.20) Possible new tray required (05.07.24)	15.12.25	-
B24	Wet cellulose IBC drip tray	RTTM	PVC	PVC	No	6 monthly Visual Inspection as per procedure VCL/EMS/007 (water tested if necessary)	Slight chemical residue in bund.	15.12.25	-
B25	AMS IBC drip tray	RTTM	PVC	PVC	No		No issues	15.12.25	-
B26	Spent acid IBC drip tray	RTTM	PVC	PVC	No	6 monthly Visual Inspection as per procedure VCL/EMS/007	Bund requires draining	15.12.25	Pumping out and disposing of spent acid in bund.

Note 1: volume: >110% of largest tank within bund

Note:

29.08.23 B18 bund replaced
19.12.24 email sent to SA to have the corrective actions, listed above, carried out.

Date: 16.12.25
Signed: R. Williams