

SITE NAME: CHERTSEY STW  
 DATE: 11/04/2024

ODOUR RISK ASSESSMENT

Process Stage	Process Unit	UWWTD/Sludge Treatment Centre Permit	Normal		Abnormal			Nearest Customer/Receptor	Offensiveness (0-5)	Likelihood of Impact (0-5)	Odour Risk (<5 Low, >15 High)	Odour Impact	Mitigation Measures (see OMP for additional information)	Residual Odour Impact (LM/H)	Responsibility for Mitigation Measures	Customer Communication Needed?	Notes
			Odour Description	Constant/Intermittent/Occasional/Rare	Event Description	Likelihood of Event/Frequent/Rare/Planned	Length of Time of Release										
Works Inlet	Incoming Sewers	UWWTD	Sewage	C			Farm Close and Lyne Farm, Lyne Lane	2	1	2	Low	Daily and weekly checks as per site and sludge rounds. Ferric dosing at the inlet to reduce H2S levels, chemical levels checked daily.		Performance Manager/Tech 1		Project to look at dosing Nutriox at terminal pumping stations - monitoring complete	
Works Inlet	Incoming Sewers	UWWTD	Sewage		Septic sewage	F	Weeks	Farm Close and Lyne Farm, Lyne Lane	4	3	12	Medium	Assess and control catchment septicity	M	Performance Manager/Tech 1	Y	Project to look at dosing Nutriox at terminal pumping stations - monitoring complete
Works Inlet	Incoming Sewers	UWWTD	Sewage		Large spillage/surcharge	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Clean up spills ASAP. Potential to employ contractors if needed. Look at isolating flows into the work.	L	Performance Manager/Tech 1	N	
Works Inlet	Incoming Sewers	UWWTD	Sewage		Burst rising main	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Clean up spills ASAP. Look at isolating flows into the work.	L	Performance Manager/Tech 1	N	
Works Inlet	Cess Reception, Discharge, Washdown and Drainage	UWWTD/Sludge Treatment Centre Permit	Sewage	I			Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Enters inlet via cess logger, closed-couple connections. Daily and weekly checks as per site and sludge rounds.		Performance Manager/Tech 1		pipework being looked at as part of Cess team project	
Works Inlet	Cess Reception, Discharge, Washdown and Drainage	UWWTD/Sludge Treatment Centre Permit	Septic Sewage	I	Spills	R	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Close-couple connections, contained within the site, checked daily, monitored by CCTV, tanker drivers to inform staff of any spillages. Area washed down by tanker drivers, drainage to works inlet.	L	Performance Manager/Tech 1	N	
Preliminary Treatment	Coarse Screens	UWWTD	Sewage/musty	C			Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Covered		Performance Manager/Tech 1		Upgrade to inlet works planned with additional screen.	
Preliminary Treatment	Coarse Screens	UWWTD	Sewage/musty		One screen/chamber for maintenance	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Screens checked daily, process monitoring checks are increased.		Performance Manager/Tech 1	N	
Preliminary Treatment	Coarse Screens	UWWTD	Sewage/musty		Septic sewage	F	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Screens checked daily, process monitoring checks are increased.	L	Performance Manager/Tech 1	N	
Preliminary Treatment	Coarse Screens	UWWTD	Sewage/musty		Large spillage/surcharge/total screen blockage	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Clear blockage or ask maintenance team to repair. If needed a temporary screen could be sourced.	L	Performance Manager/Tech 1	N	
Preliminary Treatment	Screening Skips	UWWTD	Sewage/musty	C			Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Replace when full, checked daily. Maximum one week storage time when full. Contractor also attends site and checks skips weekly.		Performance Manager/Tech 1			
Preliminary Treatment	Detritus Tank	UWWTD	sewage	C			Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Regular cleaning		Performance Manager/Tech 1			
Preliminary Treatment	Detritus Tank	UWWTD	sewage		maintenance, tank taken out of service	P	Hours	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	If Detritor taken out of service for longer than one week, wash down plant and unit.		Performance Manager/Tech 1	N	
Preliminary Treatment	Grit Removal	UWWTD	Sewage	C			Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Regular maintenance and cleaning.		Performance Manager/Tech 1		looked in in inlet upgrades	
Preliminary Treatment	Grit Removal	UWWTD	Sewage		maintenance	P	Hours	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Mechanical PPM	L	Performance Manager/Tech 1	N	

Preliminary Treatment	Grit skip	UWWTD	Septic	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Replace when full, checked daily. Maximum one week storage time when full. Contractor also attends site and checks skips weekly.		Performance Manager/Tech 1		Subject to odour improvement plan.
Storm Separation	Storm Tanks	UWWTD	Sewage	I				Farm Close and Lyne Farm, Lyne Lane	3	4	12	Medium	Empty and clean ASAP.		Performance Manager/Tech 1		
Storm Separation	Storm Tank Discharge back to full treatment	UWWTD	Sewage	I				Farm Close and Lyne Farm, Lyne Lane	2.5	2	5	Medium	Pumped return, daily checks on pump function and for any blockages.		Performance Manager/Tech 1		
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Aim to run with no blankets.		Performance Manager/Tech 1		
Primary Treatment	PST Desludging	UWWTD	Sludge	I				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily checks as per site and sludge rounds.		Performance Manager/Tech 1		
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage/septic		Hot weather	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Maintenance.	-	Performance Manager/Tech 1	N	
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage/septic		High sludge level in tank	F	Weeks	Farm Close and Lyne Farm, Lyne Lane	3	4	12	Medium	Monitor sludge blankets depths and chart weekly. Sludge blanket levels defined in SOM.	L	Performance Manager/Tech 1	N	Routine baseline measures
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage/septic		maintenance	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Drain and clean tank ASAP. PST capacity on site means if a PST is out of service normal treatment is unaffected.	L	Performance Manager/Tech 1	N	
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage/septic		Scraper fails and sewage goes septic	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Drain tank and repair	L	Performance Manager/Tech 1	N	
Primary Treatment	Primary Settlement Tanks	UWWTD	Sewage/septic		Blockage, build-up of scum or rag on tank surface, weirs, or scum traps.	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Unblock, drain and clean tank if necessary	L	Performance Manager/Tech 1	N	
Primary Treatment	Intermediate Settlement Tanks	UWWTD	Sewage/septic	C					1	1	1	Low	Daily and weekly checks as per site and sludge rounds.		Performance Manager/Tech 1		
Primary Treatment	Intermediate Settlement Tanks	UWWTD	Sewage/septic		High sludge level in tank	F	Weeks	Farm Close and Lyne Farm, Lyne Lane	3	4	12	Medium	Monitor sludge blankets depths and chart weekly. Sludge blanket levels defined in SOM.	L	Performance Manager/Tech 1	N	
Primary Treatment	Intermediate Settlement Tanks	UWWTD	Sewage/septic		maintenance	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Drain and clean tank ASAP.	L	Performance Manager/Tech 1	N	
Primary Treatment	Intermediate Settlement Tanks	UWWTD	Sewage/septic		Scraper fails and sewage goes septic	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Drain tank and repair.	L	Performance Manager/Tech 1	N	
Primary Treatment	Intermediate Settlement Tanks	UWWTD	Sewage/septic		Blockage	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Unblock, drain and clean tank if necessary	L	Performance Manager/Tech 1	N	
Primary Treatment	PST desludge well	UWWTD	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Routine maintenance.	-	Performance Manager/Tech 1	N	
Secondary Treatment (Biological)	Filter Beds	UWWTD	Sewage/earthy	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Planned and preventative maintenance (PPM), daily checks, enough tanks to cope if one out of service.		Performance Manager/Tech 1		
Secondary Treatment (Biological)	Filter Beds	UWWTD	Sewage/earthy		Hot weather	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	PPM. Daily checks. Potential to increase treatment for vegetation growth.	-	Performance Manager/Tech 1	N	Monitor
Secondary Treatment (Biological)	Filter Beds	UWWTD	Sewage/earthy		Cold weather	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Planned and preventative maintenance (PPM), enough tanks to cope if one out of service.	-	Performance Manager/Tech 1	N	Monitor
Secondary Treatment (Biological)	Filter Beds	UWWTD	Sewage/earthy		Blockage	R	Hours	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Clear the blockage as soon as possible, enough tanks to cope if one out of service.	-	Performance Manager/Tech 1	N	
Secondary Treatment (Biological)	Filter Beds	UWWTD	Sewage/earthy		loss of rotational arm	R	Hours	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Normal checks and alarm, get going again	L	Performance Manager/Tech 1	N	
Secondary Settlement	Humus Tanks	UWWTD	Earthy	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Daily and weekly checks as per site and sludge rounds. Maintenance.		Performance Manager/Tech 1		Report to TL tanks with sludge levels/gassing. Sludge blanket levels defined in SOM.

Secondary Settlement	Humus Tanks	UWWTD	Earthy		Scraper fails and sewage goes septic	R	Days	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	In case of bridge/scraper failure for more than 72 hours, pump and hose down tank.	L	Performance Manager/Tech 1	N	resiliance in number of humus tanks
Secondary Settlement	Humus Tanks	UWWTD	Earthy		Tank drained down for maintenance	P	Days	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Wash down.	L	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Covered, level monitoring linked to SCADA and WOCC.		Performance Manager/Tech 1		Manage sludge levels from PSTs, if stocks increase arrange on-site tankering to the THP. There is a level sensor which can initiate an automatic shut off to prevent overflow.
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit			monthly scrape of tank	F	Days	Farm Close and Lyne Farm, Lyne Lane	3	3	9	Medium	if required can get tankers in to clean	M	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		Normal operation in very hot weather	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Enclosed.	L	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		High sludge level in tank	F	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Check that SAMS mixing is operational.	L	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		Maintenance	P	Days	Farm Close and Lyne Farm, Lyne Lane	3	2	6	Medium	Pump out and clean tank down as soon as practicable.	L	Performance Manager/Tech 1	N	Plant to be taken out of service – ensure wash cycle is used before cleaning down.
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		Spillage	R	Days	Farm Close and Lyne Farm, Lyne Lane	3	3	9	Medium	Clean up any sludge from undertrays or Poly spillages. Sludge can be cleaned up within 24 hours.	L	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		Goes septic	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Monitoring sludge process and retention times. Unlikely but if septic, empty through tankering.	L	Performance Manager/Tech 1	N	
Sludge Conditioning (Indigenous)	Sludge buffer tank	Sludge Treatment Centre Permit	Sludge		Blockage	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Remove build-up of rag and grit from tanks. Annual THP shutdown and cleaning.	L	Performance Manager/Tech 1	N	
Sludge Thickening	Sludge thickening	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily monitoring checks as per site and sludge rounds. PPM. Presses are either fully or semi-enclosed. Maintenance contract in place.		Performance Manager/Tech 1		
Sludge Thickening	Sludge thickening	Sludge Treatment Centre Permit	Sludge		Spills	P	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Clean up spills ASAP. Potential to employ contractors if needed.	L	Performance Manager/Tech 1	N	Washdown procedure to drainage and returned to head of works.
Sludge Thickening	Sludge thickening	Sludge Treatment Centre Permit	Sludge		Raw sludge pressing only (THP down)	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Raw cake bypasses the raw sludge thickening and is processed through the digested sludge belts and stored in the cake barn as non-compliant.	L	Performance Manager/Tech 1	N	
Sludge Thickening	Transfer pump	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	General maintenance. Daily and weekly checks as per site and sludge rounds.		Performance Manager/Tech 1		
Sludge Imports	Sludge Import tank and import area	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily and weekly checks as per site and sludge rounds. Clean any spillages and Check all hatches are closed.		Performance Manager/Tech 1		Imported Sludge discharged to a covered well through close coupled connector and into the enclosed sludge screens then on to the covered Sludge Reception Tank. Blended sludge transported via underground pipe to Sludge Reception Tank with ultrasonic level detector which inhibits flow if high
Sludge Imports	Sludge screen	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Clean any spillages and remove full skips from site ASAP. Maximum storage time of a week when full		Performance Manager/Tech 1		
Sludge Imports	Sludge screen	Sludge Treatment Centre Permit	Sludge		Screen out for maintenance	P	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	PPM and potential for temporary screening unit depending on length of maintenance required.	L	Performance Manager/Tech 1	N	
Sludge Imports	Sludge screen	Sludge Treatment Centre Permit	Sludge		Total screen blockage	R	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Blockage to be cleared and service returned ASAP	L	Performance Manager/Tech 1	N	
Sludge Imports	Screening Skips	Sludge Treatment Centre Permit	Sludge/septic	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Replace when full, checked daily. Maximum one week storage time when full. Contractor also attends site and checks skips weekly.		Performance Manager/Tech 1		
Sludge Treatment	THP	Sludge Treatment Centre Permit	Sludge/burnt	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Process monitoring, daily site rounds, out of hours cover, SCADA monitoring. Hydrolysed sludge enclosed in pressure vessels and pipework		Performance Manager/Tech 1		

Sludge Treatment	THP	Sludge Treatment Centre Permit	Sludge/burnt		Normal operation in very hot weather	R	Weeks	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	Process monitoring.	-	Performance Manager/Tech 1	Y	Sludge ageing in reception tank
Sludge Treatment	THP	Sludge Treatment Centre Permit	Sludge/burnt		Blockage	R	Hours	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	Clean any spillages and blockages ASAP and return to service.	L	Performance Manager/Tech 1	Y	annual shut down
Sludge Treatment	THP	Sludge Treatment Centre Permit	Sludge/burnt		Maintenance	P	Days	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	Clean schedule put in place, usually returned to service within 3 days. Capacity in the PSTs to hold additional sludge whilst maintenance undertaken.	L	Performance Manager/Tech 1	Y	annual shut down
Sludge Treatment	THP	Sludge Treatment Centre Permit	Sludge/burnt		Pressure Relief Valves (PRVs) venting	R	Hours	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	PRVs linked to SCADA. Check pressurisation and for gas leaks. Arrange for inspection and maintenance. Replace bursting discs.	L	Performance Manager/Tech 1	Y	annual shut down
Sludge Treatment	THP Steam Boiler	Sludge Treatment Centre Permit	Sludge/burnt		Gas or combustion leaks	R	Days	Farm Close and Lyne Farm, Lyne Lane	3	3	9	Medium	Daily check for gas or combustion leaks. Annual calibration of burner and emissions. Maintenance contract in place.		Performance Manager/Tech 1		
Digesters	Digesters	Sludge Treatment Centre Permit	Sludge/gas	O				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Enclosed, routine maintenance and daily and weekly checks as per site and sludge rounds. Monitoring digester health checks.		Performance Manager/Tech 1		
Digesters	Digesters	Sludge Treatment Centre Permit	Sludge/gas		Maintenance	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Tie in maintenance with annual THP shutdown. Cleaned and emptied if taken out of service.	L	Performance Manager/Tech 1	N	THP shut down - usually august
Digesters	Digesters	Sludge Treatment Centre Permit	Sludge/gas		Spillage	R	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Clean up ASAP. Potential to employ contractor for clean up and tankering.	L	Performance Manager/Tech 1	Y	
Digesters	Digesters	Sludge Treatment Centre Permit	Sludge/gas		Blowing Whessesoes or gas leaks	R	Hours	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	Visually checked by Site Tech 1s on daily basis. PRVs linked to SCADA.	L	Performance Manager/Tech 1	N	Short term
Digesters	Gas Compressor	Sludge Treatment Centre Permit	Gas	I				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Maintenance and general site rounds. Check for gas leaks in gas compressors via gas detection systems and portable gas monitors.		Performance Manager/Tech 1		
Biogas handling, utilisation and storage	Flarestack	Sludge Treatment Centre Permit	None	I				Farm Close and Lyne Farm, Lyne Lane	0	0	0	Low	PPM, maintenance contract in place.		Performance Manager/Tech 1		
Biogas handling, utilisation and storage	Flarestack	Sludge Treatment Centre Permit	None		Maintenance	P	Hours	Farm Close and Lyne Farm, Lyne Lane	1	1	1	Medium	Consumption of gas by the CHP Plant and boilers.	L	Performance Manager/Tech 1	N	
Biogas handling, utilisation and storage	Flarestack	Sludge Treatment Centre Permit			Failure	R	Hours	Farm Close and Lyne Farm, Lyne Lane	4	2	8	Medium	Attempt to reset. Repair as soon as possible, contact contractor if unable to resolve on site. Contractor holds critical spares.		Performance Manager/Tech 1	N	Odour risk would be from venting via digester PRVs.
Digesters	Digested Sludge Buffer tank	Sludge Treatment Centre Permit	Digested Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	1	2	Low	Daily and weekly checks as per site and sludge rounds. Covered and enclosed.		Performance Manager/Tech 1		
Digesters	Digested Sludge Contingency Tank	Sludge Treatment Centre Permit	Digested Sludge		in use	R	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Returned via manual pumping to digested sludge buffer tank. Trending on SCADA. Visual checks daily.	L	Performance Manager/Tech 1	N	
Sludge Dewatering	Beltpress	Sludge Treatment Centre Permit	Digested Sludge	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Daily and weekly checks as per site and sludge rounds. Covered.		Performance Manager/Tech 1		
Sludge Dewatering	Beltpress	Sludge Treatment Centre Permit	Digested Sludge		Spillage	F	Hours	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Clean ASAP.	L	Performance Manager/Tech 1	N	
Sludge Dewatering	Beltpress	Sludge Treatment Centre Permit	Digested Sludge		Raw sludge pressing (THP and digestion down)	P	Weeks	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Daily site and sludge rounds. Feed rate and failure alarms linked to SCADA.		Performance Manager/Tech 1		
Sludge Dewatering	Conveyor	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Covered		Performance Manager/Tech 1		
Sludge Dewatering	Liquor treatment buffer tank	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Covered. Keep hatches closed		Performance Manager/Tech 1		
Liquor Treatment	Liquor treatment plant	Sludge Treatment Centre Permit	Earthy	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Aerated. Duty and standby arrangement of tanks. Daily inspection rounds, THP 3 round, linked to SCADA. Liquor sampling result entered in E Logbook.		Performance Manager/Tech 1		

Liquor Treatment	Liquor treatment plant	Sludge Treatment Centre Permit	Bitter earthy		Tank goes septic	R	Days	Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Reseed or drain.	L	Performance Manager/Tech 1	N	
Liquor Return	Liquor return PS	Sludge Treatment Centre Permit	River	C				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Daily and weekly checks as per site and sludge rounds. Covered.		Performance Manager/Tech 1		
Sludge Storage & Movements	Cake Barn (including cake imports)	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	Movements kept to a minimum. Height of stockpiles kept below level of concrete walls. Cake in storage forms a crust after a day or two reducing risk of odour. No additional turning or handling during cake storage.		Performance Manager/Tech 1		
Sludge Storage & Movements	Vehicle movements and washdown	Sludge Treatment Centre Permit	Sludge	I				Farm Close and Lyne Farm, Lyne Lane	2	3	6	Medium	Load inside barn. Lorries covered and wheelwash.		Performance Manager/Tech 1		
Sludge Storage & Movements	Cake Barn (including cake imports)	Sludge Treatment Centre Permit	Sludge		Cake removals	P	Hours	Farm Close and Lyne Farm, Lyne Lane	3	2	6	Medium	odours possible when disturbed for removals. Temporary operation, cake removed as soon as possible. Cake in storage forms a crust after a day or two reducing risk of odour. No additional turning or handling during cake	M	Performance Manager/Tech 1	N	
Sludge dewatering	Odour Control Unit	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	1.5	3	Low			Performance Manager/Tech 1		Currently subject to an odour improvement plan.
THP	Odour Control Unit	Sludge Treatment Centre Permit	Sludge	C				Farm Close and Lyne Farm, Lyne Lane	2	1.5	3	Low			Performance Manager/Tech 1		Currently subject to an odour improvement plan.
inlet	Odour Control Unit	UWWTD		C				Farm Close and Lyne Farm, Lyne Lane	2	1.5	3	Low			Performance Manager/Tech 1		Currently subject to an odour improvement plan.
Biogas Systems	Biogas Storage	Sludge Treatment Centre Permit	Gas	C				Farm Close and Lyne Farm, Lyne Lane	2	1	2	Low	Pre-planned maintenance and process monitoring		Performance Manager/Tech 1		
Biogas Systems	CHP	Sludge Treatment Centre Permit	Gas	C				Farm Close and Lyne Farm, Lyne Lane	2	1	2	Low	Pre-planned maintenance, managed by CHP team/contractor		CHP Team		
Biogas Systems	Boilers	Sludge Treatment Centre Permit	Gas	C				Farm Close and Lyne Farm, Lyne Lane	2	1	2	Low	Pre-planned maintenance, managed by CHP team/contractor		CHP Team		
Biogas Systems	Pressure Release Valves on biogas storage	Sludge Treatment Centre Permit	Biogas	O				Farm Close and Lyne Farm, Lyne Lane	3	2	6	Medium	Pre-planned maintenance and process monitoring.		Performance Manager/Tech 1		
Power Generation	Standby Generators	Sludge Treatment Centre Permit	Smoky/ Diesel	I				Farm Close and Lyne Farm, Lyne Lane	1	1	1	Low	Regular planned black start testing, mandated monthly maintenance, managed by contractor. Very short duration use.		Performance Manager/Tech 1		
Network Screenings Unit		UWWTD	Sewage	C				Farm Close and Lyne Farm, Lyne Lane	2	2	4	Low	General house keeping, prioritise skips 2/3 full for removal				