

<b>DESCRIPTION:</b>	12 Monthly Dewatering Area Lube and Service	<b>FREQUENCY:</b>	12 Monthly
<b>LOCATION:</b>	ST18 Luggage Point STP	<b>STD JOB ID:</b>	LTS091

<b>Grease and Oils Required</b>	<b>Maintenance Group</b>
Castrol AP3 Grease	Sludge Conveyor
Castrol EPL2 Grease	Sludge Feed Pumps
Castrol Mollub Alloy 936SF Open Gear Grease	Dilution Water Pump
Castrol EPX 80W-90	Sludge Macerator
Watson-Marlow/Bredel Hose Lubricant	Filtrate Pumps
	Poly Mixing and Dosing Area
<b>Procedural Steps</b>	
<b>Sludge Conveyor</b>	
Change gearbox oil with SP220	
Check conveyor lining and conveyor screw for wear.	
Measure conveyor diameter. Measure in at least 3 places along length of conveyor spiral.	
Conveyor requires replacing once 20% of original diameter is worn.	
Original diameter is 440mm. When diameter reached 352mm inform that replacement is required.	
Grease stuffing box with EPL2 grease and adjust gland as required.	
Check all trough welds for damage and fasteners for tightness.	
<b>Sludge Feed Pumps (3 of)</b>	
Check mechanical seals for leaks.	
Check stators and rotors for wear.	
Change gearbox oils with SP220.	
Grease Pump 3 bearings with EPL2 grease.	
Check condition of drive couplings and elements.	
Check condition of pipework and valving.	
<b>Peristaltic Filtrate Pump</b>	
Change Centrate Pump (Peristaltic) Planetary Gearbox oil with Castrol Alpha 320.	
Change Centrate Pump (Peristaltic) Housing oil with Watson-Marlow/Bredel Hose Lubricant.	
<b>Dilution Water Pump</b>	
Check mechanical seals for leaks.	
Check condition of drive couplings and elements.	
Change gearbox oil with SP220.	
Apply 2 shots of AP3 grease to pump motors.	
Apply 4 shots of EPL2 grease to pump bearings.	
Check condition of impellor and volute for wear.	
Check condition of pipework and valving.	

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	<b>Sludge Macerator</b>
	Change gearbox oil with SP220.
	Check condition of blades.
	Check macerator drive gears and amount of grease. Housing should be 2 thirds full. Clean and regrease with EPL2.
	Check condition of pipework and valving
	<b>Filtrate Pumps</b>
	Change pump element oil with EPX 80W-90 oil.
	Check condition of drive couplings and elements.
	Check condition of pipework and valving.
	Grease knife gate valve spindles with Mollub Alloy 936SF grease
	<b>Poly Mixing and Dosing Area</b>
	Change poly feeder drive gearbox oil with SP220.
	Change poly mixer gearbox with oil SP220.
	Change poly transfer pump gearbox oil with SP220.
	Check poly transfer pump for leaks and adjust gland as required.
	Check poly transfer pump stator and rotor for wear.
	Check condition of all pipework and valving.
	<b>Kelly &amp; Lewis Booster Pump</b>
	Check mechanical seals for leaks.
	Check condition of drive couplings and elements.
	Change gearbox oil with SP220.
	Apply 2 shots of AP3 grease to pump motors.
	Apply 4 shots of EPL2 grease to pump bearings.
	Check condition of pipework and valving.