

DESCRIPTION:	12 Monthly Zone 3 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS330

	Tools & Equipment
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Т	Spare Parts/Materials List
-	Castrol EPL2 Grease
-	Castrol Whitemor WOM 14
-	Castrol AP3 Grease
	Shell Omala 220 or equivalent
(	Castrol Ultratak
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H	Reference
Н	Follow correct shut down procedures before working on any equipment.
	Goodna Sludge Dewatering Plant Operation & Maintenance Manual Volume 1 May 2008
//	Section 7 Maintenance & Section 8 Lubrication Schedule
r	Maintenance Group
E	BFP Wash Water Pumps
Ç	Sludge Hopper
Ν	Macerator
Ç	Sludge Feed Pumps
Ç	Sludge Buffer Tank (WAS) Mixer
(	Gravity Deck & Belt Press No.1
(	Gravity Deck & Belt Press No.2
F	Poly Mixing Unit No.1
F	Poly Mixing Unit No.2
Ç	Service Water Pumps and Storage Tanks
F	Air Treatment Facility (ATF) Feed Pumps
L	Procedural Steps:
F	Before isolating any equipment where possible observe in running condition. Check for correct operati
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Check valves and pipe work for leaks and defects.  Check pumps base, frame and cover for defects and corrosion.  Sludge Hopper – Scissor Lift required  Check and grease bell housing gland packing on Incline, Slewing and Replace oil in Drive Gearmotors on above conveyors.	n.
Inspect Belt Press Facility Effluent pumps for noise, leaks and vibration Check valves and pipe work for leaks and defects.  Check pumps base, frame and cover for defects and corrosion.  Sludge Hopper – Scissor Lift required  Check and grease bell housing gland packing on Incline, Slewing and Replace oil in Drive Gearmotors on above conveyors.  Check Drive Gearmotors for noise, leaks and vibration.	n.
Check pumps base, frame and cover for defects and corrosion.  Sludge Hopper – Scissor Lift required  Check and grease bell housing gland packing on Incline, Slewing and Replace oil in Drive Gearmotors on above conveyors.	
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Replace oil in Drive Gearmotors on above conveyors.	
•	Horizontal Reversing Conveyors.
Check Drive Gearmotors for noise Jeaks and vibration	
Chook Drive Ocarriotors for Holse, leaks and vibration.	
Check that grease has not hardened in grease lines to Clam Shell Gat	tes conical outlets.
Apply ELP2 grease to Clam Shell grease lines.	
Ensure load cells are free from build-up of dirt and debris.	
Inspect Sludge Hopper and structure for defects.	
Inspect Pneumatic rams for leaks and general appearance, includes m	nountings.
Macerator	
Check for any abnormal noises and vibration	
Carry out 12 month service on valves and inspect pipe work.	
Inspect all fasteners and for leaks.	
Replace oil in Gearbox.	
Apply grease to greasing point	
Remove covers on macerator and check the condition of the blades. C	Clear any debris build up from inside.
Sludge Feed Pumps	
nspect Sludge Feed pumps for noise, leaks and vibration.	
nspect pipe work and valving for leaks and defects.	
Change Gearboxes oil with Shell Omala 220 or equivalent checking fo	or contamination.
Sludge Buffer Tank (WAS) Mixer	
Inspect davit and winch.	
Check mixer for any abnormal noises and vibration	
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<b>Gravity Deck</b>	lo.1	
Check wear o	doctor blades.	
Check spray	r operation.	
Check wear o	spray pipe brush.	
Check roller b	aring seals.	
Check condit	n of roller bearings	
Check condit	n of rollers	
Clean inside	It washing box.	
Check seals	gravity zone skirts and wash boxes.	
Check tracking	devices.	
Check belt we	r.	
Replace oil in	rive Gearmotor.	
Check all gre	e lines, grease nipples and automatic greasers for defects & level.	
	easers if required with Ultratak grease	
Belt Press N	1	
Check wear	doctor blades.	
Check spray	r operation.	
	spray pipe brush.	
Check roller b		
	n of roller bearings	
Check conditi		
Clean inside	It washing box.	
Check tracking		
Check belt we		
Replace oil ir	rive Gearmotor.	
	Gearbox oil checking for contamination.	
	e lines, grease nipples and automatic greasers for defects & level.	
	easers if required with Ultratak grease	
	ase bell housing gland packing on Horizontal Conveyor.	
	yor Drive Gearmotor oil checking for contamination.	
1 .	or Drive Gearmotor for noise, leaks and vibration.	
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Grav	vity Deck No.2
Che	eck wear on doctor blades.
Che	eck spray bar operation.
Che	eck wear on spray pipe brush.
Che	eck roller bearing seals.
Che	eck condition of roller bearings
Che	eck condition of rollers
Clea	an inside belt washing box.
Che	eck seals on gravity zone skirts and wash boxes.
Che	eck tracking devices.
	eck belt wear.
Rep	place oil in Drive Gearmotor.
	eck all grease lines, grease nipples and automatic greasers for defects & level.
	up auto greasers if required with Ultratak grease
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Belt	t Press No.2
Che	eck wear on doctor blades.
Che	eck spray bar operation.
	eck wear on spray pipe brush.
	eck roller bearing seals.
	eck condition of roller bearings
	eck condition of rollers
-	an inside belt washing box.
	eck tracking devices.
	eck belt wear.
	place oil in Drive Gearmotor.
	place Mixer Gearbox oil checking for contamination.
	eck all grease lines, grease nipples and automatic greasers for defects & level.
	up auto greasers if required with Ultratak grease
	eck and grease bell housing gland packing on Horizontal Conveyor.
	place Conveyor Drive Gearmotor oil checking for contamination.
	eck Conveyor Drive Gearmotor for noise, leaks and vibration.
	ion contago. Entre coamition for noise, toute and vibration.
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LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS330

	Goodila Sewerage Treatment Train	STANDARD GOD No	110000
Poly Mixing Ur	nit No.1		
Inspect and clea	an drain valves.		
Inspect agitator	motor and gearbox (sealed unit).		
Inspect fastener			
Inspect shut-off	, regulating, check and solenoid valves along	g with associated pipe work.	
Inspect feeder (	gearbox and motor (sealed unit).		
Grease feeder of	gearwheels.		
Inspect feeder of	cylinder.		
Check Poly Dos	sing pumps for any abnormal noise and vibra	ation.	
Inspect Poly Do	sing pumps fasteners and seals.		
Replace oil in P	oly Dosing Pump gearboxes.		
Poly Mixing Ur	nit No.2		
Inspect and clea	an drain valves.		
Inspect agitator	motor and gearbox (sealed unit).		
Inspect fastener	rs.		
Inspect shut-off	, regulating, check and solenoid valves along	g with associated pipe work.	
Inspect feeder ç	gearbox and motor (sealed unit).		
Grease feeder g	gearwheels.		
Inspect feeder of	cylinder.		
Check Poly Dos	sing pumps for any abnormal noise and vibra	ation.	
Inspect Poly Do	sing pumps fasteners and seals.		
Replace oil in P	oly Dosing Pump gearboxes.		
Service Water			
	nd pipe work for leaks and defects.		_
	Water Pump 1 for noise, leaks, vibration.		
	Water Pump 2 for noise, leaks, vibration.		_
	Water Pump 3 for noise, leaks, vibration.		_
	essel for leaks, defects.		
	Water Mixing Pump for noise, leaks, vibration	<u>n.</u>	
Check Service \	Water Storage Tanks for leaks, defects.		
ATF Feed Pum	ups	_	
	nd pipe work for leaks and defects.		
	essel for leaks, defects.		
	ed Pump 1 for noise, leaks, vibration.		
	ed Pump 2 for noise, leaks, vibration.		

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