

DESCRIPTION:	6 Monthly Zone 3 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Carole Park Sewerage Treatment Plant	STANDARD JOB No.:	LTS320

Tools & Equipment
Spare Parts/Materials List
Shell Gadus S2 general purpose high pressure
Castrol Alpha SP220
Castrol Alpha SP320
Reference
Follow correct shut down procedures before working on any equipment.
Maintenance Group
Secondary Settling Tank 4
Secondary Settling Tank 5
Flow Splitter 3
Aeration Blowers
Flow Splitter No.2
Anoxic & Aerobic Tank No.1
Anoxic & Aerobic Tank No.2
Procedural Steps
Before isolating any equipment, where possible observe in running condition. Check for correct operation.
Secondary Settling Tank 4
Check Drive gearbox unit for leaks / noise / vibration
Check Drive Wheel and idle wheel for bearing noise / de-lamination
Check Centre Column Bearing for noise / vibration
Check Grease lines and grease nipples for defects.
Grease centre column bearing.
Grease each Updraught Tube Spindle top and bottom
Grease bearings on Drive Wheel and Trail Wheel
Isolate bridge and perform lube maintenance:
Check bridge drive gearboxes oil levels and for contamination. Top up if required with Alpha SP320.
Jack up bridge and check wheel bearings (and wheel) for play on shaft.
Inspect Gearmotor Variator belt for cracking and wear.
Inspect coupling drive for defects.

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Secondary Settling Tank 5			
Check Drive gearbox unit for leaks / noise / vibration			
Check Drive Wheel and idle wheel for bearing noise / de-lamination			
Check Centre Column Bearing for noise / vibration			
Check Grease lines and grease nipples for defects.			
Grease centre column bearing.			
Grease each Updraught Tube Spindle top and bottom			
Grease bearings on Drive Wheel and Trail Wheel			
Isolate bridge and perform lube maintenance:			
Check bridge drive gearboxes oil levels and for contamination. Top up if required with Alpha SP320.			
Jack up bridge and check wheel bearings (and wheel) for play on shaft.			
Inspect Gearmotor Variator belt for cracking and wear.			
Inspect coupling drive for defects.			
Flow Splitter 3			
Check Penstocks and support frames for defects			
Grease penstock stem nuts. Shell Gadus S2 general purpose high pressure			
Aeration Blowers			
Grease motor bearings. Shell Gadus S2 general purpose high pressure			
Anoxic & Aerobic Tank No.1			
Check Mixer Unit No.1 for noise, leaks and vibration.			
Check Mixer Unit No.2 for noise, leaks and vibration.			
Check Mixer Unit No.3 for noise, leaks and vibration.			
Check Mixer Unit No.4 for noise, leaks and vibration.			
Check Mixer Unit No.5 for noise, leaks and vibration.			
Mixer Unit No.3 Apply grease to greasing points. Shell Gadus S2 general purpose high pressure			
Anoxic & Aerobic Tank No.2			
Check Mixer Unit No.6 for noise, leaks and vibration.			
Check Mixer Unit No.7 for noise, leaks and vibration.			
Check Mixer Unit No.8 for noise, leaks and vibration.			
Check Mixer Unit No.9 for noise, leaks and vibration.			
Check Mixer Unit No.10 for noise, leaks and vibration.			
Mixer Unit No.10 Apply grease to greasing points. Shell Gadus S2 general purpose high pressure			

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	Flow Splitter No.2
	Check Penstocks and support frames for defects
	Grease penstock stem nuts. Shell Gadus S2 general purpose high pressure