

DESCRIPTION:	3 Monthly Plant Lubrication	FREQUENCY:	Monthly
LOCATION:	Carole Park Sewerage Treatment Plant	STANDARD JOB No.:	LTS333

	Tools & Equipment
	Spare Parts/Materials List
	Shell Gadus S2 V100
	Shell Gadus S2 general purpose high pressure
	Oil Filter – Stauff SFC-3510E 10 Micron Filter Paper
	Reference
	Follow correct shut down procedures before working on any equipment.
	Maintenance Group
	Surface Aerator 1 Motor and Gearbox
	Surface Aerator 2 Motor and Gearbox
	Secondary Settling Tank 1
	Secondary Settling Tank 2
	Secondary Settling Tank 3
	WAS Pump Station 2
	Scum Pump Station 2
	Trommel (drum screen)
	Screenings Conveyor
	Flow Splitter 1 Penstocks
	Belt Filter Press (BFP)
	Gravity Drainage Deck (GDD)
	Secondary Settling Tank 4
	Secondary Settling Tank 5
	Flow Splitter 2 Penstocks
	Aeration Blowers
	Bioreactor Mixer 3
	Bioreactor Mixer 10
	Procedural Steps
	Before isolating any equipment, where possible observe in running condition. Check for correct operation.

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Surface Aerator 1 Motor and Gearbox	Shell Gadus S2 general purpose high pressure
Apply grease to all motor greasing points.	
Replace oil filter with Stauff SFC-3510E 10 Micron Filter Paper. Available from Cooper Fluid Systems.	
Surface Aerator 2 motor and Gearbox	Shell Gadus S2 general purpose high pressure
Apply grease to all motor greasing points.	
Replace oil filter with Stauff SFC-3510E 10 Micron Filter Paper. Available from Cooper Fluid Systems.	
Secondary Settling Tank 1	Shell Gadus S2 general purpose high pressure
Grease centre column bearing.	
Grease each Updraught Tube Spindle top and bottom	
Grease bearings on Drive Wheel and Trail Wheel	
Secondary Settling Tank 2	Shell Gadus S2 general purpose high pressure
Grease centre column bearing.	
Grease each Updraught Tube Spindle top and bottom	
Grease bearings on Drive Wheel and Trail Wheel	
Secondary Settling Tank 3	Shell Gadus S2 general purpose high pressure
Grease centre column bearing.	
Grease each Updraught Tube Spindle top and bottom	
Grease bearings on Drive Wheel and Trail Wheel	
WAS Pump Station 2	Shell Gadus S2 general purpose high pressure
Grease all isolation valve stem nuts	
Scum Pump Station 2	Shell Gadus S2 general purpose high pressure
Grease all isolation valve stem nuts	
Trommel (drum screen)	Shell Gadus S2 general purpose high pressure
Grease Trommel support wheels	
Screenings Conveyor	Shell Gadus S2 general purpose high pressure
Grease conveyor bearing	

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	Flow Splitter 1 Penstocks (3 Penstock threaded stems with clear covers)
	Shell Gadus S2 general purpose high pressure
	Remove old grease on threaded sections and replace with new grease.
	Belt Filter Press (BFP) Shell Gadus S2 V100
	Check grease levels in auto lubes. Top up as required with grease available on site.
	Gravity Drainage Deck (GDD) Shell Gadus S2 V100
	Check grease levels in auto lubes. Top up as required with grease available on site.
	Secondary Settling Tank 4 Shell Gadus S2 general purpose high pressure
	Grease centre column bearing.
	Grease each Updraught Tube Spindle top and bottom
	Grease bearings on Drive Wheel and Trail Wheel
	Secondary Settling Tank 5 Shell Gadus S2 general purpose high pressure
	Grease centre column bearing.
	Grease each Updraught Tube Spindle top and bottom
	Grease bearings on Drive Wheel and Trail Wheel
	Flow Splitter 2 Penstocks Shell Gadus S2 general purpose high pressure
	Grease penstock stem nuts
	Aeration Blowers Shell Gadus S2 general purpose high pressure
	Grease motor bearings
	Bioreactor Mixer 3 Shell Gadus S2 general purpose high pressure
	Apply grease to greasing points
	Bioreactor Mixer 10 Shell Gadus S2 general purpose high pressure
	Apply grease to greasing points