

DESCRIPTION:	12 Monthly Zone 1 Lubrication Maintenance	FREQUENCY :	12 Monthly
LOCATION :	ST12 Wynnum WRP	STD JOB ID :	LTS017

Grease and Oils Required	Maintenance Group
Castrol Hyspin AWS68	Sludge Outloading
Castrol Hyspin AWH46	General Purpose and Filtrate Return Pump Stations
Castrol AP3 Grease	Inlet Works
Castrol EPL2 Grease	Poly Mixing and Storage
Castrol Mollub Alloy 936SF Open Gear Grease	Final Settling Tanks
Castrol ALPHA SP220	RAS and WAS Pumps
Auto grease canisters: SKF Type: LAGD 125/WA2	
Castrol White Oil BP68	
Dowcal N Coolant (Approx 70lts required)	
Reference	
Polymer Dosing System: Suppliers Manual BWEA-VEN-Y-5606. Manual No:12.1 stored in Control Room	
Polymer Storage Equipment: Suppliers Manual BWEA-VEN-Y-5626. Manual No:12.2 stored in Control Room	
Final Settling Tanks: Suppliers Manual BWEA-VEN-Y-6513. Manual No: 9 stored in Control Room	
Inlet Works: Suppliers Manual BWEA-VEN-Y-7507. Manual No: 2 stored in Control Room	
Bandscreens: Suppliers Manual BWEA-VEN-Y-7909. Manual No: 1 stored in Control Room	
Service Water Pump Station: Suppliers Manual BWEA-VEN-Y-6522. Manual No:10 stored in Control Room	
RAS, WAS, Filtrate Return, General Purpose and Scum Pump Manual: Suppliers Manual BWEA-VEN-Y-6503. Manual No: 8 stored in Control Room	
Incline Conveyor	
Lubricate conveyor pivot bearing with 4 shots of AP3 grease	
Install new stuffing box auto greaser. (Stuffing box can be manually greased with 10 shots of EPL2 grease)	
Drain Incline Conveyor drive gearbox oil and replace with SP220.	
Poly Storage	
Apply 4 shots of AP3 grease to the screw feeder spiral shaft drive bearings.	
Drain Screw Feeder gearbox oil and replace with SP220	
Collector Conveyor	
Install new stuffing box auto greaser. (Stuffing box can be manually greased with 10 shots of EPL2 grease)	
Drain conveyor drive gearbox oil and refill with SP220	
General Purpose and Filtrate Return Pumps	
Drain oil from pump seal housing and replace with White Oil BP15. Approx. 2 litres per pump.	
Check condition of impellor and clearance.	

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Inlet Works
Wash Press (2 of)
Drain gearbox oil and replace with SP220
Lubricate input shaft support bearing with 4 shots of EPL2 grease
Band Screens
Drain drive gearbox oil and replace with SP220
Grit classifier
Drain classifier paddle drive gearbox oil and replace with SP220
Drain incline conveyor drive gearbox oil and replace with SP220
Grease conveyor stuffing box bearing with 4 shots of AP3
Lubricate paddle drive bearing with 4 shots of AP3 grease.
Grit Paddle Drive
Drain grit paddle drive gearbox oil and replace with SP220
Drain slew ring oil level and and replace with SP220
Grit Bin
Lubricate grit hopper clam shell pivot points (8 of) with 4 shots of EPL2 grease.
Grease clam shell sprockets with Mollub Alloy 936SF Open Gear Grease.
Grit Pump
Drain Grit Pump oil and replace with Hyspin AWS46.
Final Settling Tanks (2 of)
Lubricate all wheel bearings (8 per tank) with 6 shots of EPL2 grease.
Lubricate centre column bearings with 8 shots of EPL2 grease.
Greasing block located on the floor directly in front of switchboard in the centre of the bridge.
Drain scum pump oils. Replace with: Hyspin AWS68 for intermediate chamber. ALPHA SP220 for timing gear.
Drain Bridge Drive main & intermediate gearboxes oil and replace with SP220
RAS & WAS Pumps
Drain the coolant from the submersible pump coolant chamber.
Refill with Dowcal N coolant. Approximately 2.2 litres per WAS Pump, 16.7 litres per RAS Pump..
Replace the o-rings on the filling plugs and junction cover.
Measure the submersible pump impeller clearance. Adjust as necessary.