

DESCRIPTION:	Zone 1. 12 Monthly Lubrication Maintenance	FREQUENCY:	12 Monthly
LOCATION:	ST034 Karana Downs WRP	STANDARD JOB No.:	LTS324

	Grease and Oil required:	Maintenance Group
	Castrol EPL2 Grease	Bioreactors
	Castrol AP3 Grease	Chlorination Pond Dewatering Pump
	Castrol Alpha SP220	Final Settling Tanks
	Castrol Mollub Alloy 963SF Open Gear Grease	RAS Pump Station
	Castrol EPX80W-90	Supernatant Pump Station
	Castrol Whitmore (White Oil)	
	References	
	Procedural Steps	
	Bioreactors	
	Drain Brush Aerator gearbox oil and replace with SP220. (4 off)	
	Grease brush aerator bearings with 5 shots of EPL2 grease. (8 off)	
	Chlorination Pond Dewatering Pump	
	Lubricate pump drive motor with 2 shots of AP3 grease.	
	Check pump element oil for level / contamination. Change or top up as required with EPX80W-90	
	Check condition of pulleys and drive belts.	
	Check pipework and valves for defects.	
	Final Settling Tanks	
	Lubricate wheel bearings with 8 shots of EPL2 grease.	
	Lubricate centre bearings with 8 shots of EPL2 grease.	
	Drain bridge drive primary and secondary gearbox oil and replace with SP220.	
	Lubricate drive chain with Mollub Alloy 963SF.	
	RAS Pump Station	
	Grease valve spindles with Mollub Alloy 963SF.	
	Lift pumps and change oil with White Oil.	
	Check clearance of wear ring.	
	Check condition of impeller	
	Check condition of pump guide rails and duct foot fitting.	
	Supernatant Pump Station	
	Lift pumps and change oil with White Oil.	
	Check clearance of wear ring.	
	Check condition of impeller	
	Check condition of pump guide rails and duct foot fitting.	