

DESCRIPTION:	Intermediate Zone 1 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Canungra Sewerage Treatment Plant	STANDARD JOB No.:	LTS707

Tools & Equipment
Spare Parts/Materials List
Castrol Alpha SP220 Oil
Castrol AP3 Grease
Castrol Spheerol EPL2
Esso EP350 Grease or equivalent
Reference
Follow correct shut down procedures before working on any equipment.
Maintenance Group
Inlet Screens Inclined Conveyors
Grit Conveyor
Belt Filter Press
Gravity Drainage Deck
BFP / GDD Wash Water Pump
Polymer Dosing System
Inclined Sludge Conveyor
Sludge Bin
Anaerobic / Anoxic Tank Mixers
WAS/ Scum Pump
Aeration Mixers
Membrane Permeate System Vacuum Pumps
Filtrate Pump Station
Service Water Pump Station
Procedural Steps
Before isolating any equipment, where possible observe in running condition. Check for correct operation.

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nlet Screen 1	Conveyor	
Check gear mo	otor unit for oil leaks.	
Check gear mo	otor oil level and oil for contamination. Top u	p with SP220.
Check screen	brush for damage and wear.	
Check convey	or liner for wear.	
Check convey	or screw for wear and tear.	
Check tightnes	s of all gear motor fasteners.	
	s of all conveyor bolts.	
Check convey	or and support frame weld for defects.	
nlet Screen 2	Conveyor	
Check gear mo	otor unit for oil leaks.	
Check gear m	otor oil level and oil for contamination. Top u	ρ with SP220.
Check screen	brush for damage and wear.	
Check convey	or liner for wear.	
Check convey	or screw for wear and tear.	
Check tightnes	s of all gear motor fasteners.	
Check tightnes	s of all conveyor bolts.	
Check convey	or and support frame weld for defects.	
Grit Conveyo		
Check gear m	otor unit for oil leaks.	
Check gear m	otor oil level and oil for contamination. Top u	ρ with SP220.
Check convey	or liner for wear.	
Check convey	or screw for wear and tear.	
Check tightnes	s of all gear motor fasteners.	
Check tightnes	s of all conveyor bolts.	
Check convey	or and support frame weld for defects.	
Sucrose Unlo	ading Pump	
26 a al	otor oil level and oil for contamination. Top u	ρ with SP220.
zneck gear me		
	s of all gear motor fasteners.	

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Oh a ali maan maatan iini kan ali la alia	
Check gear motor unit for oil leaks.	
Check gear motor oil level and oil for contamination. Top up with SP220.	
Check all auto lube levels and refill. Castrol Spheerol EPL2	
Check tightness of all gear motor fasteners.	
Inspect the belt for cracks/wear and/or folding	
Inspect the deflector blades for cracks and/or wear	
Inspect the sealing strips for cracks and/or wear	
Inspect the press rolls for uneven wear	
Gravity Drainage Deck	
Check gear motor unit for oil leaks.	
Check gear motor oil level and oil for contamination. Top up with SP220.	
Check all auto lube levels and refill. Castrol Spheerol EPL2	
Check tightness of all gear motor fasteners.	
Inspect the belt for cracks/wear and/or folding	
Inspect the deflector blades for cracks and/or wear	
Inspect the sealing strips for cracks and/or wear	
Inspect the press rolls for uneven wear	
Polymer Dosing System	
Clean the dosing chamber.	
Olean the desire walves Injection and tips because walves	
Clean the dosing valves. Injection, suction and discharge valves.	
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Inclined Belt Sludge Conveyor	
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Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension.	
Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension. Check condition of rollers. Sludge Bin	
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Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension. Check condition of rollers. Sludge Bin Check gear motor unit for oil leaks. Check gear motor oil level and oil for contamination. Top up with SP220. Check tightness of all gear motor fasteners.	
Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension. Check condition of rollers. Sludge Bin Check gear motor unit for oil leaks. Check gear motor oil level and oil for contamination. Top up with SP220. Check tightness of all gear motor fasteners. Check bell housing packing box temperature.	
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Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension. Check condition of rollers. Sludge Bin Check gear motor unit for oil leaks. Check gear motor oil level and oil for contamination. Top up with SP220. Check tightness of all gear motor fasteners. Check bell housing packing box temperature. Check bell housing packing box for leaks. Check/verify screw conveyor liner for wear.	
Inclined Belt Sludge Conveyor Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent) Check/Adjust the conveyor belt for correct tension. Check condition of rollers. Sludge Bin Check gear motor unit for oil leaks. Check gear motor oil level and oil for contamination. Top up with SP220. Check tightness of all gear motor fasteners. Check bell housing packing box temperature. Check bell housing packing box for leaks.	

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Membrane Permeate System Vacuum Pumps
Check Pumps for excessive noise, vibrations.
Check pipe work for leaks, defects.
Clean the vacuum pump cooling fins.
Clean the vacuum pump separator.

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