

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

	<b>Tools &amp; Equipment</b>
	<b>Spare Parts/Materials List</b>
	Castrol Alpha SP220 Oil
	Castrol AP3 Grease
	Castrol Spheerol EPL2
	Esso EP350 Grease or equivalent
	<b>Reference</b>
	Follow correct shut down procedures before working on any equipment.
	<b>Maintenance Group</b>
	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
	<b>Procedural Steps</b>
	<b>Before isolating any equipment, where possible observe in running condition. Check for correct operation.</b>

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<b>Inlet Screen 1 Conveyor</b>
Check gear motor unit for oil leaks.
Check gear motor oil level and oil for contamination. Top up with SP220.
Check screen brush for damage and wear.
Check conveyor liner for wear.
Check conveyor screw for wear and tear.
Check tightness of all gear motor fasteners.
Check tightness of all conveyor bolts.
Check conveyor and support frame weld for defects.
<b>Inlet Screen 2 Conveyor</b>
Check gear motor unit for oil leaks.
Check gear motor oil level and oil for contamination. Top up with SP220.
Check screen brush for damage and wear.
Check conveyor liner for wear.
Check conveyor screw for wear and tear.
Check tightness of all gear motor fasteners.
Check tightness of all conveyor bolts.
Check conveyor and support frame weld for defects.
<b>Grit Conveyor</b>
Check gear motor unit for oil leaks.
Check gear motor oil level and oil for contamination. Top up with SP220.
Check conveyor liner for wear.
Check conveyor screw for wear and tear.
Check tightness of all gear motor fasteners.
Check tightness of all conveyor bolts.
Check conveyor and support frame weld for defects.
<b>Sucrose Unloading Pump</b>
Check gear motor oil level and oil for contamination. Top up with SP220.
Check tightness of all gear motor fasteners.
Check condition of flexi hose and camlock fittings.

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<b>Belt Filter Press</b>
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
<b>Gravity Drainage Deck</b>
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
<b>Polymer Dosing System</b>
Clean the dosing chamber.
Clean the dosing valves. Injection, suction and discharge valves.
<b>Inclined Belt Sludge Conveyor</b>
Grease the motor pulley gear with Esso EP350 Grease. (find Castrol equivalent)
Check/Adjust the conveyor belt for correct tension.
Check condition of rollers.
<b>Sludge Bin</b>
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.
Check/verify screw conveyor trough for wear.
Check/verify screw conveyor screw for wear.

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