

<b>DESCRIPTION:</b>	Major Zone 2 Lubrication and Service	<b>FREQUENCY:</b>	12 Months
<b>LOCATION:</b>	Gatton Sewerage Treatment Plant	<b>STANDARD JOB No.:</b>	LTS504

	<b>Tools &amp; Equipment</b>				
	<b>Spare Parts/Materials List</b>				
	Castrol LMX Grease				
	Castrol SP220 Oil				
	<b>Roughing Filter Recirculation Pumps.</b>	Drive Belts:	Pullies:	Seals:	Bearings:
	<b>Return Sludge Pump</b>	Drive Belts:	Pullies:	Seals:	Bearings:
	<b>Secondary Settling Tank.</b>	Wheel Bearings:	Centre Pivot Bearing:		
	<b>Roughing Filter Feed Pumps</b>	Seals:	Gaskets:	Bearings:	
	<b>Reference</b>				
	<b>Maintenance Group</b>				
	Secondary Settling Tank 2				
	Return Sludge Pump Station				
	Trickle Filter				
	Service Water Pump Station				
	Drying Beds Drainage Pump Station				
	<b>Procedural Steps</b>				
	<b>Before isolating any equipment, where possible observe in running condition. Check for correct operation.</b>				
	<b>Secondary Settling Tank 2</b>				
	Check bridge wheels bearing condition				
	Check bridge wheels for delamination of linings.				
	Apply 2 shots of LMX grease to Secondary Settling Tank 2 Bridge wheels. (4 grease points)				
	Apply 2 shots of LMX grease to Secondary Settling Tank 2 Bridge pivot assembly. (3 grease points)				
	Change oil in Secondary Tank Bridge gearbox with SP220.				
	Check all bolts. Tighten as necessary.				

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	<b>Return Sludge Pump Station</b>
	Remove Return Sludge Pump element and check impeller wear and backing plate wear.
	Change oil in pump element with SP220.
	Refit pump element with minimal clearance between impeller and backing plate.
	Check drive belt and pulley condition.
	Check all bolts. Tighten as necessary.
	Check operation of isolation valves.
	Remove check valve covers and check internal condition.
	<b>Trickle Filter</b>
	Check bearings for noise and freedom of movement.
	Apply 2 shots of LMX grease to each of the 7 greasing points on Trickle Filter
	Inspect centre column and arms for wear and corrosion
	Operate turn buckles and check for corrosion.
	Inspect cables, arm support rods and mounting points for wear & corrosion.
	<b>Service Water Pump Station</b>
	Check pumps for noise, leaks and vibration.
	<b>Drying Beds Drainage Pump Station</b>
	Remove pump and inspect
	Check pipe work and valving.