

DESCRIPTION:	Intermediate Zone 1 Lubrication Maintenance	FREQUENCY:	6 Months
LOCATION:	Kilcoy Sewerage Treatment Plant	STANDARD JOB No.:	LTS906

	Tools & Equipment
	Spare Parts/Materials List
	SAE No.30 non-detergent oil
	Castrol Alpha SP220
	Reference
	Follow correct shut down procedures before working on any equipment.
	Maintenance Group
	Septic Receival Area
	Digested Sludge Transfer Pump
	Hedley Park Pump
	Inlet Works Screen Compactor
	Primary Tank and Draw Off Pit
	Digester Mixer
	Trickle Filter
	Humus (RAS) Pump Station
	Scum Pump Station
	Secondary Settling Tank
	Race Course Irrigation Pump
	Service Water Pump
	Procedural Steps
	Before isolating any equipment, where possible observe in running condition. Check for correct operation.
	Septic Receival Area Waste Pump
	Check Pump Unit for noise, leaks, and defects.
	Remove coupling guard and check alignment, couplings and rubbers.
	Check oil level, top up if required. SAE No.30

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	Digested Sludge Transfer Pump
	Check pump for noise, vibration and/or leaks.
	Carry out internal inspection of non-return valve.
	Remove coupling cover and check alignment and for worn parts.
	Check pressure setting (13 PSI) on pump. Confer with Plant Operator if setting is different.
	Check pump gearbox oil change. Castrol Alpha SP 220
	Check reduction gearbox oil change. Castrol Alpha SP 220
	Set pressure setting (13 PSI) on pump. Confer with Plant Operator in case setting has changed.
	Hedley Park Pump
	Check pump for noise and vibration
	Visual check on volute to footing sealing point for leaks.
	Inlet Works Screen Compactor
	Check for abnormal noise and/or vibration.
	Remove covers to check wear and/or defects on Screen Basket, Screw, Brushes and SS Liner Bars (wear strips)
	Check oil level in Gearmotor. Top up if required. Castrol Alpha SP220
	Primary Settling Tank
	Check Drive gearbox unit for leaks / noise / vibration.
	Check Scum scraper arm for defects and support wheel for wear.
	Check oil drive gearboxes, top up if required. Castrol Alpha SP220
	Check condition of coupling and rubbers.
	Digester Mixer
	Check Mixer for vibration and condition of davit hoist and winch
	Remove Mixer for external visual inspection
	Trickle Filter
	Check centre bearing for noise and freedom of movement.
	Grease centre column bearing.
	Inspect centre column and arms for wear and corrosion.
	Check turnbuckles for corrosion. Tension if required
	Inspect arm support rods and mounting points for wear & corrosion.

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