

DESCRIPTION:	Major Zone 1 Lubrication Maintenance	FREQUENCY:	12 Months
LOCATION:	Esk Water Reclamation Plant	STANDARD JOB No.:	LTS905

	Tools & Equipment
	Spare Parts/Materials List
	CLP 220 Mineral Oil or equivalent
	Reference
	Follow correct shut down procedures before working on any equipment.
	Maintenance Group
	Primary Settling Tank
	Digester 1 Mixer
	Digester 2 Mixer
	Intermediate Trickle Filter
	Intermediate Settling Tank
	Secondary Trickle Filter
	Secondary Settling Tank
	Sand Filter Pump
	Procedural Steps
	Before isolating any equipment, where possible observe in running condition. Check for correct operation.
	Primary Settling Tank
	Check Drive gearbox unit for leaks / noise / vibration.
	Check Scum scraper arm for defects and support wheel for wear.
	Isolate bridge and perform lube maintenance:
	Replace oil bridge drive gearboxes. CLP 220 Mineral Oil
	Check condition of coupling and rubbers.

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	Digester 1
	Check Mixer for noise and vibration and condition of davit and winch.
	Lift mixer and carry out external inspection
	Digester 2
	Check Mixer for vibration and condition of davit and winch
	Lift mixer and carry out external inspection
	Intermediate Trickle Filter
	Check centre bearing for noise and freedom of movement.
	Grease centre column bearing.
	Inspect centre column and arms for wear and corrosion.
	Operate turn buckles checking for corrosion.
	Inspect cables, arm support rods and mounting points for wear & corrosion.
	Intermediate Settling Tank
	Check Drive gearbox unit for leaks / noise / vibration.
	Check Scum scraper arm for defects and support wheel for wear.
	Isolate bridge and perform lube maintenance:
	Replace oil bridge drive gearboxes. CLP 220 Mineral Oil
	Check condition of coupling and rubbers.
	Secondary Trickle Filter
	Check centre bearing for noise and freedom of movement.
	Grease centre column bearing.
	Inspect centre column and arms for wear and corrosion.
	Operate turn buckles checking for corrosion.
	Inspect cables, arm support rods and mounting points for wear & corrosion.

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