

DESCRIPTION:	6 Monthly Zone 4 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS331

Tools & Equipment
Spare Parts/Materials List
Castrol Alpha SP220
Castrol EPL2 Grease
Castrol Hyspin AWH46
Reference
Follow correct shut down procedures before working on any equipment.
Maintenance Group
Digester 1
Secondary Settling Tank 4
Procedural Steps:
Before isolating any equipment where possible observe in running condition. Check for correct operation.
Digester Mixers and Davits
Check mixers for excessive vibration.
Check condition of mixer Jib Cranes.
Check mixer guide rail fasteners for tightness.
Winch each mixer out of the tank and check: <ul style="list-style-type: none"> • Operation of hoist. • Condition of exterior of mixer. • Remove any rag attached to mixer.
Digester Mixer 1
Digester Mixer 2
Digester Mixer 3
Digester Mixer 4
Jib Crane Mixer 1
Jib Crane Mixer 2 & 3
Jib Crane Mixer 4

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	Digester Recycle Pumps
	Check for noise and vibration on A-Recycle Pumps.
	Lift each pump and remove any rag and/or debris.
	Condition of exterior of pump
	Digester Recycle Pump 1
	Digester Recycle Pump 2
	Digester Recycle Pump 3
	Digester Recycle Pump 4
	Digester Penstocks
	Clean drive shafts and regrease with EPL2 Grease.
	Secondary Settling Tank 4
	Run bridge and check:
	Drive gearbox unit for leaks / noise / vibration
	Drive Wheel and idle wheel for bearing noise / de-lamination
	Centre Column Bearing for noise / vibration
	Apply grease to centre column, drive and idle wheel bearings
	Scum Scraper for damage
	Scraper support chains, shackles and mounting points for defects
	Grease lines and grease nipples for defects.
	Isolate bridge and perform lube maintenance:
	Check bridge drive primary /secondary gearbox oil levels and for contamination.
	Jack up bridge and check wheel bearings for noise / defects.
	Remove wheel bearing housing caps where no grease nipples are fitted and check grease. Regrease if required.