

DESCRIPTION:	6 Monthly Zone 2 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS328

	Tools & Equipment
	Spare Parts/Materials List
	Castrol EPL2 Grease
	Castrol Whitemor WOM 14
	Reference
	Follow correct shut down procedures before working on any equipment.
	Maintenance Group
	Methanol Dosing Facility
	Oxidation Ditch and Mixers
	Was Pumps
	Anaerobic Tank
	MBR Filters and Pumps
	*Before isolating any equipment where possible observe in running condition. Check for correct operation.
	Procedural Steps: Including, however not limited to.
	Methanol Dosing Facility
	Check storage tank for leaks, defects.
	Check pipe work and valving for leaks, defects.
	Check Transfer Pump for check for noise, leaks, vibration and for correct operation.
	Check Dosing Pump 1 for leaks, defects.
	Check Dosing Pump 2 for leaks, defects.
	Clean strainers and rotameters.
	Oxidation Ditch Penstocks
	Clean drive shafts and regrease with EPL2 Grease.

DESCRIPTION:	6 Monthly Zone 2 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS328

Oxidation Ditch Mixers and Davits
Check mixers for excessive vibration.
Check condition of mixer Davit.
Check mixer guide rail fasteners for tightness.
Winch each mixer out of the tank and check: <ul style="list-style-type: none"> • Operation of winch. • Condition of wire rope and shackles. • Condition of exterior of mixer. • Remove any rag attached to wire rope and mixer.
Anaerobic Zone 1 Mixer
Anaerobic Zone 2 Mixer
Anaerobic Zone 3 Mixer
RAS De-Aeration Mixer
Oxidation Ditch Mixer 1
Oxidation Ditch Mixer 2
Oxidation Ditch Mixer 3
Oxidation Ditch Mixer 4
WAS/Scum Pumps
Check pipe work and valving for leaks and defects.
Check WAS Pump 1 for noise, vibration and leaks.
Check WAS Pump 2 for noise, vibration and leaks.
Check guide rails for defects.
Check condition of davits.
Anaerobic Tank (Swing Zone)
Check all exposed Methanol Dosing pipe work and valving for leaks, defects.
Check all exposed Aluminium Sulphate pipe work and valving for leaks, defects.
Swing Zone Mixers and Davits
Check mixers for excessive vibration.
Check condition of mixer Davits.
Check mixer guide rail fasteners for tightness.
Winch each mixer out of the tank and check: <ul style="list-style-type: none"> • Operation of winch. • Condition of wire rope. • Condition of exterior of mixer. • Remove any rag attached to wire rope and mixer.
Swing Zone 1 Mixer 1
Swing Zone 2 Mixer 1
Final Anoxic Zone Mixer

DESCRIPTION:	6 Monthly Zone 2 Lubrication and Service	FREQUENCY:	6 Months
LOCATION:	Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS328

	MBR Feed Pumps
	Remove air bleed valves from top of pump tube. Disassemble and clean sealing parts/surfaces and reinstall.
	Check all pumps for noise and vibration.
	MBR Feed Pump 1
	MBR Feed Pump 2
	MBR Feed Pump 3
	MBR Feed Pump 4
	MBR Feed Pump 5
	Membrane Filter Area
	Check all exposed Citric Acid pipe work and valving for leaks, defects.
	Check all exposed Sodium Hypochlorite pipe work and valving for leaks, defects.
	MBR Penstocks
	Clean drive shafts and regrease with EPL2 Grease.
	Membrane Filter Pumps
	Check all pumps for noise, leaks, vibration.
	Check all pipe work and valving for leaks, defects.
	Check all bearing oil levels and oil for contamination. Top up with Whitemor WOM 14 if necessary.
	Check condition of coupling drive elements.
	Check all bolts for tightness.
	Back Pulse Pump 1.
	Back Pulse Pump 2.
	MBR Drain Pump.
	Permeate Pump 1
	Permeate Pump 2
	Permeate Pump 3
	Permeate Pump 4
	Permeate Pump 5
	Permeate Pump 6