DESCRIPTION:	Major Service & Lubrication Maintenance	FREQUENCY :	12 Monthly
LOCATION :	ST051 Helidon Sewerage Treatment Plant	STANDARD JOB No. :	LTS510

Tools & Equipment

Spare Parts/Materials List

Oil - Castrol Whitemor WOM 14

Reference

Maintenance Group

Wetlands Pump Station

Reed Beds Pump Station

Safety Shower Pump

Service Water Pump

Submersible Pump In Polishing Lagoon

Wet Weather Pump - Polishing Lagoon to Dam

Contact Tank Pump

Sodium Hypochlorite Dosing Pump - On Ground

Procedural Steps

Before isolating any equipment, where possible observe in running condition. Check for correct operation.

Wetlands Pump Station

Pump No.1

Run pump checking for noise, vibration and leaks at sealing points.

Remove pump checking ease of removal, jamming on guide rail, pipe work, etc.

Inspect chains, shackles and eye bolts.

Check locking plate for cracks, wear and deterioration.

Remove pump from volute and inspect pump casing for cracks, cavitation and deterioration.

If fitted, inspect pump wear rings gap.

Check Impeller condition. If Macerator or Rag Cutter type fitted, adjust gap as required.

Drain and replace oil, check for contaminates in oil.

Replace pump and run checking sealing points

Pump No.2

Carry out same tasks as for pump 1.

DESCRIPTION:	Major Service & Lubrication Maintenance	FREQUENCY :	12 Monthly
LOCATION :	ST051 Helidon STP	JOB PLAN ID :	LTS510

Reed Beds Pump Station

Run pump checking for noise, vibration and leaks at sealing points.

Inspect chains, shackles and eye bolts.

Check Impeller condition. If Macerator or Rag Cutter type fitted, adjust gap as required.

Drain and replace oil, check for contaminates in oil.

Replace pump and run checking sealing points

Safety Shower Pump

Check pump while running for noise, leaks and/or vibration.

Service Water Pump

Check pump while running for noise, leaks and/or vibration.

Submersible Pump In Polishing Lagoon

Run pump checking for noise, vibration and leaks at sealing points.

Inspect chains, shackles and eye bolts.

Check Impeller condition. If Macerator or Rag Cutter type fitted, adjust gap as required.

Drain and replace oil, check for contaminates in oil.

Replace pump and run checking sealing points

Wet Weather Pump - Polishing Lagoon to Dam

Check pump while running for noise, leaks and/or vibration.

Remove coupling guard and check coupling alignment.

Check condition of coupling rubbers, elements, bolts, etc.

Check condition of couplings and rubbers.

If grease nipples fitted, grease pump and motor.

If pump has oil chamber, replace oil and check for contaminates.

Check tightness on all fasteners and for corrosion.

Contact Tank Pump

Check pump while running for noise, leaks and/or vibration.

Sodium Hypochlorite Dosing Pump (On Ground)

Check pump while running for noise, leaks and/or vibration.

Dosing pump on bund will be service under separate work order.

Doc Id:	FOR850	Active Date:	01/07/2017		Revision: 2
Owner	Matthew Dellaway		Printed:		Page 2 of 2

Note: **Printed copies of this document should be verified for currency against the published electronic copy.**