

DESCRIPTION:	Zone 1. 12 Monthly Lubrication Maintenance	FREQUENCY:	12 Monthly
LOCATION:	ST22 Oxley Creek STP	STD JOB No.:	LTS054

Grease and Oils required:	Zone 1 Maintenance Group
Castrol EPL2 Grease	Bioreactor 5 and 6 Mixers
Castrol AP3 Grease	Final Settling Tanks 9 to 13
Castrol Perfecto T68	Final Settling Tank Scum Pumps
Castrol SP220 Oil	RAS Pump Stations
Castrol SP320 Oil	Flow Splitter
Approx. twenty three (23) litres per gearmotor	RAS Flowmeter Pit
Approx. six (6) litres per Scum Pump timing gear cham	ber WAS Pump Station
Castrol White Oil 15BP:	Anarobic Tank Waste Water Drain Valve
1 litre per Scum pump intermediate chamber	Anarobic Tank Bypass Valve
	Scum Harvester 5&6
	Aeration Blowers 7 to 10
Procedural Steps	
Before isolating any equipment, where possible observ	ve in running condition. Check for correct operation
Bioreactor 5&6 Mixers (12 off)	
Inspect the submersible mixer for abnormal noise and/or v	bration.
•	
Visually inspect the mixer lifting davit lifting wire for eviden	ce of wear and/or damage
Visually inspect the mixer lifting davit lifting wire for evidence of wear,	ce of wear and/or damage damage and/or corrosion.
Visually inspect the mixer lifting davit lifting wire for evidence Visually inspect the mixer lifting davit for evidence of wear, Securely attach the submersible mixer to the mixer lifting davit for evidence of wear,	ce of wear and/or damage damage and/or corrosion. avit and raise the mixer from the aeration tank.
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Note:



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LOCATION:	ST22 Oxley Sewerage Treatment Plant	STD JOB ID:	LTS054

	o knife gate valve spindles and operate a few turns to grease inside drive nut.
Before applying	g new grease remove clean old grease from spindle.
inal Settling	Tanks 9 to 13
Apply (8) shots	s of EPL2 grease to the centre slewing ring bearing grease nipple.
Apply (8) shots	s of AP3 to the centre pivot shafts grease nipples.
Clean out grea	se build up from drive/idler bearing housings.
/isually inspec	t the roller bearing and repack the housing with EPL2 grease.
Open the oil dr	ain valve and drain the oil from the gear motor.
Nith the oil dra	ained from the gear motor verify the correct operation of the gear motor oil level switch.
Replenish usin	g SP220 gear oil. Approximately twenty three (23) litres per gear motor.
Scum Pumps	
-	termediate/buffer chamber lube - drain and refill with White Oil 15BP
Scum pump ge	ear chamber lube- drain and refill with SP220
	it lube - drain and refill with SP220
Remove coupl	ing cover and inspect coupling for any obvious signs of possible failure
	acklash between the spider and the hub - if more than 5 mm - replace the spider
	isable Buffer Fluid Tank.
RAS Pump St	ation (1 per final tank)
-	o knife gate valve spindles and operate a few turns to grease inside drive nut.
	g new grease remove clean old grease from spindle.
	se. Grease nipple located in housing around drive nut.
Jse AP3 greas	
Jse AP3 greas	er Pit
RAS Flow Met	
RAS Flow Met	ter Pit o knife gate valve spindles and operate a few turns to grease inside drive nut. g new grease remove clean old grease from spindle.
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RAS Flow Met Apply grease to Before applying Anaerobic Tal Apply grease to Before applying Check with ope	o knife gate valve spindles and operate a few turns to grease inside drive nut. g new grease remove clean old grease from spindle. nk Waste Water Drain Valve o knife gate valve spindles and operate a few turns to grease inside drive nut. g new grease remove clean old grease from spindle. erations before opening or closing this valve. nk Bypass Valve. (SN: 4162-26)
RAS Flow Met Apply grease to Before applying Anaerobic Tal Apply grease to Before applying Check with ope Anaerobic Tal Apply grease to	o knife gate valve spindles and operate a few turns to grease inside drive nut. g new grease remove clean old grease from spindle. nk Waste Water Drain Valve o knife gate valve spindles and operate a few turns to grease inside drive nut. g new grease remove clean old grease from spindle. erations before opening or closing this valve.

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Note: