

<b>DESCRIPTION:</b>	Intermediate Zone 1 Lubrication Maintenance	<b>FREQUENCY:</b>	6 Months
<b>LOCATION:</b>	Esk Sewerage Treatment Plant	<b>STANDARD JOB No.:</b>	LTS904

	<b>Tools &amp; Equipment</b>
	<b>Spare Parts/Materials List</b>
	CLP 220 Mineral Oil or equivalent
	SAE No.30 non-detergent oil
	<b>Reference</b>
	Follow correct shut down procedures before working on any equipment.
	<b>Maintenance Group</b>
	Primary Settling Tank
	Digester 1 Mixer
	Digester 2 Mixer
	Intermediate Trickle Filter
	Intermediate Settling Tank
	Secondary Trickle Filter
	Secondary Settling Tank
	Sewer Pump Station
	RAS Pump Station
	Sand Filter Pump
	<b>Procedural Steps</b>
	<b>Before isolating any equipment, where possible observe in running condition. Check for correct operation.</b>
	<b>Primary Settling Tank</b>
	Check Drive gearbox unit for leaks / noise / vibration.
	Check Scum scraper arm for defects and support wheel for wear.
	<b>Isolate bridge and perform lube maintenance:</b>
	Check oil levels in drive gearboxes. Top up if required. CLP 220 Mineral Oil
	Check condition of coupling and rubbers.

<b>DESCRIPTION:</b>	Intermediate Zone 1 Lubrication Maintenance	<b>FREQUENCY:</b>	6 Months
<b>LOCATION:</b>	Esk Sewerage Treatment Plant	<b>STANDARD JOB No.:</b>	LTS904

<b>Digester 1</b>
Check Mixer for vibration and condition of davit and winch.
Lift mixer and carry out external inspection
<b>Digester 2</b>
Check Mixer for vibration and condition of davit and winch
Lift mixer and carry out external inspection
<b>Intermediate Trickle Filter</b>
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.
<b>Intermediate Settling Tank</b>
Check Drive gearbox unit for leaks / noise / vibration.
Check Scum scraper arm for defects and support wheel for wear.
<b>Isolate bridge and perform lube maintenance:</b>
Check oil levels in drive gearboxes. Top up if required. CLP 220 Mineral Oil
Check condition of coupling and rubbers.
<b>Secondary Trickle Filter</b>
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.
<b>Secondary Settling Tank</b>
Check Drive gearbox unit for leaks / noise / vibration.
Check Scum scraper arm for defects and support wheel for wear.
<b>Isolate bridge and perform lube maintenance:</b>
Check oil levels in drive gearboxes. Top up if required. CLP 220 Mineral Oil
Check condition of coupling and rubbers.

<b>DESCRIPTION:</b>	Intermediate Zone 1 Lubrication Maintenance	<b>FREQUENCY:</b>	6 Months
<b>LOCATION:</b>	Esk Sewerage Treatment Plant	<b>STANDARD JOB No.:</b>	LTS904

	<b>Sewer Pump Station</b>
	<b>Carry out checks below for both pumps</b>
	Check Sewer Pump Units for noise, leaks, and defects.
	Remove Drive Belt Cover on Sewer Pump Units and check belts and pulleys. Adjust belt tension if required.
	Check oil level, top up if required. SAE No.30
	<b>RAS Pump Station</b>
	Check RAS Pump Unit for noise, leaks, and defects.
	Remove Drive Belt Cover on RAS Pump Unit and check belts and pulleys. Adjust belt tension if required.
	Check oil level, top up if required. SAE No.30
	<b>Sand Filter Pump</b>
	Lift pump and carry out external inspection