

DESCRIPTION:	12 Monthly Zone 2 Lubrication Maintenance	FREQUENCY :	12 Monthly
LOCATION :	ST21 Sandgate WRP	STD JOB ID :	LTS041

Grease and Oils Required	Maintenance Group
Castrol EPL2 Grease	Final Settling Tanks and Scum Pumps
Castrol ALPHA SP220	Scum Harvesters
Castrol Hyspin AWS68	WAS Pumps
Castrol White Oil BP15	RAS Pumps
Dowcal N Coolant	
Reference	
Final Settling Tanks: Suppliers Manual No.10. BWEA-VEN-S-6214	
Scum Harvesters: Suppliers Manual No.11 BWEA-VEN-S-6213	
RAS and WAS Pumps: Suppliers Manual No.____ BWEA-VEN-S-6206	
RAS pump: Flygt NT3171.180 LT (6x) WAS pump: Flygt NT3171.180 HT (4x)	
Final Settling Tanks (3 off)	
Lubricate all wheel bearings (8 per tank) with 6 shots of EPL2 grease.	
Lubricate centre column bearings with 8 shots of EPL2 grease.	
Greasing block located on the floor directly in front of switchboard in the centre of the bridge.	
Drain Bridge Drive Gearbox oil and replace with SP220 Oil	
Scum Pumps (3 off)	
Change scum pump oil: Hyspin AWS68 for intermediate chamber. ALPHA SP220 for timing gear.	
Remove coupling cover and inspect drive coupling condition.	
Measure the backlash between the spider and the hub.	
Scum Harvesters (2 off)	
Grease Conveyor drive end bearings with 4 shots of EPL2 grease	
Drain conveyor drive gearbox oil level and refill with Alpha SP220	
Drain Scum Pump drive gearbox oil and refill with Alpha SP220	
Inspect the scum harvester chain tension. Should read 12 bar (175 psi)	
RAS Pumps (6 off)	
Drain the coolant from the submersible pump coolant chamber.	
Refill with Dowcal N coolant. Approximately five (5) litres per submersible pump.	
Replace the volute o-ring.	
Replace the o-rings on the filling plugs and junction cover.	
Change the seal chamber oil with White Oil.	
Measure the submersible pump impeller clearance. Adjust as necessary.	
WAS Pumps (4 off)	
Drain the coolant from the submersible pump coolant chamber.	
Refill with Dowcal N coolant. Approximately five (5) litres per submersible pump.	
Replace the volute o-ring.	
Replace the o-rings on the filling plugs and junction cover.	
Change the seal chamber oil with White Oil.	
Measure the submersible pump impeller clearance. Adjust as necessary.	