

DESCRIPTION:	12M Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	ST41 Goodna Sewerage Treatment Plant	STANDARD JOB No.:	LTS327

	Tools & Equipment
	Spare Parts/Materials List
	Castrol SP220 Oil
	Castrol Hyspin AWH46
	Castrol EPL2 Grease
	Reference
	Maintenance Group
	Grit Classifier and Conveyor
	Grit Pump
	Wash Presses
	PTA Penstocks
	Air Treatment Facility
	Procedural Steps:
	*Before isolating any equipment where possible observe in running condition. Check for correct operation.
	Grit Classifier and Conveyor
	Check classifier for noise, leaks, vibration.
	Check conveyor for noise, leaks, vibration.
	Check classifier drive gearbox for oil leaks.
	Check conveyor drive gearbox for oil leaks.
	Check valve actuator and airlines for leaks and defects.
	Isolate Classifier and Grit Conveyor
	Open the inspection hatch on the sedimentation tank.
	Check baffle plate in the sedimentation tank for entanglement and coarse substances.
	Ensure that the discharge pipe and overflow edge are free from obstruction.

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	Drain sedimentation chamber.
	Check stirring unit for deformations and blockages.
	Clear blockages if any.
	Drain classifier drive gearbox oil and refill with SP220.
	Check classifier drive gearbox breather and clear any obstructions.
	Grease classifier drive gearbox stuffing box with AP3 grease.
	Check classifier structure for loose bolts, defects.
	Check access platform for loose bolts, defects.
	Check pipe work and valving for leaks and defects.
	Drain conveyor drive gearbox oil and refill with SP220.
	Check conveyor drive gearbox breather and clear any obstructions.
	Check conveyor structure for loose bolts, defects.
	Clean feed water rotameter.
	Bring Classifier and Grit Conveyor back online.
	Grit Pump
	Check pump for noise, leaks, vibration.
	Check pump bearing housing for oil leaks.
	Drain pump bearing housing and refill with Castrol Hyspin AWH46.
	Check condition of couplings and rubbers
	Check pipe work and valving for leaks, defects.
	Check pumps assembly for loose bolts, defects.
	Clean flushing water rotameter.
	Grease suction, delivery and bypass valve spindles via grease nipples with EPL2.
	Grease grit chamber valves adjacent to grit pump area via grease nipples with EPL2.
	Wash Press 1
	Check wash press for noise, leaks, vibration.
	Check wash press drive gearbox for oil leaks.
	Drain wash press drive gearbox oil and refill with SP220.
	Check conveyor bearing auto greasing canister.
	Check wash press structure for loose bolts, defects.
	Check the conveyor cleaning brush, liner and screw for wear. <ul style="list-style-type: none"> Isolate wash press and drain feeder box. Open top cover to view brush. Open cover on discharge end to view conveyor screw and liner. Check screw diameter and liner thickness.

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Wash Press 2
Check wash press for noise, leaks, vibration.
Check wash press drive gearbox for oil leaks.
Drain wash press drive gearbox oil and refill with SP220.
Check conveyor bearing auto greasing canister.
Check wash press structure for loose bolts, defects.
Check the conveyor cleaning brush, liner and screw for wear. <ul style="list-style-type: none"> Isolate wash press and drain feeder box. Open top cover to view brush. Open cover on discharge end to view conveyor screw and liner. Check screw diameter and liner thickness.
Wash Press Area
Grease PTA drain valves located near Wash Presses via grease nipple with EPL2.
PTA Penstocks
Clean drive shafts and regrease with EPL2 Grease.
Inspect for wear on drive nuts.
Inspect seals and other components for wear and damage.
Check bolt tension.
Air Treatment Facility (ATF)
Check induction fans for noise, vibration.
Check all drainage lines for leaks, defects.
Check Recirculation Pumps for noise, leaks, vibration.
Check Recirculation Pumps pipe work for leaks, defects.
Check pump mounting skid for defects and tightness of fasteners.
Check Nutrient pump and pipe work for leaks, defects.