

DESCRIPTION:	12M Zone 1 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	ST02 Fairfield STP	STD JOB ID:	LTS088

Grease and Oil required:	Maintenance Group
Castrol EPX 80W-90 oil	Sewer Pump Station
Castrol SP220 Oil	Grit Pump
Castrol Perfecto T68	Grit Classifier
Castrol Ultratak Grease	Grit Vortex Paddle
Castrol Optimol Longtime PD2	Membrane Feed Pumps (4)
Castrol White Oil 15 BP	Permeate Pumps
Castrol Fork Oil 15W (ISO VG Class 46)	
Polyrex EM (Mobil Exxon)	
Polyrex EM (Mobil Exxon) Obtain from: East Co	
This grease must be used for the Grit Pump I	Motor.
Reference	
Procedural Steps	
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Sewer Pump Station	
•	Ultratak grease. Operate valve to ensure smooth operation.
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Lubricate Dry Well isolation valve spindles with t	
Lubricate Dry Well isolation valve spindles with Use Lubricate Wet Well rotork actuator uni joints with Grit Pump	Ultratak grease.
Lubricate Dry Well isolation valve spindles with Lubricate Wet Well rotork actuator uni joints with Grit Pump Grease motor with Polyrex EM grease. Use a lo	ultratak grease. www pressure grease gun. Remove grease relief plugs and apply
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	Membrane Feed Pumps (4 off)
	Remove pumps and clear away any rag build up.
	Check for signs of any damage to pumps.
	Drain oil and replace with Castrol Fork Oil 15W (ISO VG Class 46). Drain plugs behind propeller.
	Check condition of mechanical seal.
	Permeate Pumps (4 off) Borger Pumps Model PL520
	Intermediate chamber lube - drain and refill with White Oil.
	Timing gear chamber lube- drain and refill with SP220
	Motor Gear unit lube - drain and refill with SP220
	Remove coupling cover and inspect coupling for any obvious signs of possible failure
	Measure the backlash between the spider and the hub.
	Open pump chamber and inspect the condition of the lobes.
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