

Purge water system 1Clarifier Purge Water pipes and valves

Unit No	Motor No	Unit Description				
K111-34-99	M111-0085	No 1 Clarifier Purge water pipes and valves				
Function	Function Failure		Operational Context			
To supply water to flush sludge and keep lines and pumps clear	Fails to supply water Fails to supply sufficient pressure Fails to supply clear water		Sludge pit generally warm, dry and non corrosive Starlings now blocked out			
Equip No	10076982		Equipment Details			
Technique	Freq	PM Comment	M/C Run	Op	Maint	Details
Elect Test	2y	Test Voltage drop across module	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Test Contactors (visual and electrical)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Complete an overload test to check condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Complete a Thermistor relay checks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Voltage drop test on module	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Check condition of Handle mechanism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Check condition of Seals/Spray with silicon spray	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Overload tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Elect Test	2y	Check Auxiliary contacts are functional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Equip No	10055696		Equipment Details			
Technique	Freq	PM Comment	M/C Run	Op	Maint	Details
Elect Test	3m	Motor circuit analysis, look for winding damage, trend results	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	2y	Inspect terminals for signs of damage and corrosion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	1m	Visual inspection of terminal box condition, and extra seal condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	6m	Visual inspection of general motor and foundations for damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	6m	Visual inspection of general motor condition - if found to be significant planned replacement for clean and repaint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	6m	Listen and touch motor to detect increased levels of vibration and heat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Inspect	6m	Visual inspect cables, mounts and trays for signs of damage and looseness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Thermo	3m	Thermo survey of terminal blocks to look for loose connections, damage etc	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA	1m	VA for increased levels of vibn due to rotor damage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA	1m	VA - check for increased levels of vibration due to lack of lubrication	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA	1m	VA - Check for increased levels of vibn due to damage, misalignment, lubrication, element failure	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA		Vibration monitoring, if vibration level exceed the criteria, removed motor, replace bearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA	1m	Va for signs of seal damage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VA	1m	Vibration analysis to look for loose mounts, misalignment, bearing damage, overall vibration, Max ____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	