KURITA AquaChemie

Record Ref No	AC-CPM-01
Rev	03
Date	29/12/2025

Preventive Maintenance Plan-2026

Equipment Name	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Reactor - 101	7-Jan			2-Apr			2-Jul			1-Oct		
Reactor - 102	14-Jan			9-Apr			16-Jul			8-Oct		
Reactor - 103	21-Jan			16-Apr			23-Jul			15-Oct		
Reactor - 105	28-Jan			30-Apr			30-Jul			22-Oct		
Reactor - 104	–	4-Feb			7-May			6-Aug			5-Nov	
Rector - 106 / Thermic Fluid		11-Feb			14-May			13-Aug			12-Nov	
Scrubber		18-Feb			21-May			20-Aug			19-Nov	
Softner Plant		25-Feb			28-May			27-Aug			26-Nov	
Steam Boiler			3-Mar			4-Jun			3-Sep			3-Dec
RO-Plant			10-Mar			11-Jun			10-Sep			10-Dec
Cooling Tower			17-Mar			18-Jun			17-Sep			17-Dec
Fire Fighting System			24-Mar			25-Jun			24-Sep			24-Dec
Air Compressor		4-Feb		2-Apr		25-Jun		27-Aug		29-Oct		31-Dec
AODD Pump		4-Feb		2-Apr		25-Jun		27-Aug		29-Oct		31-Dec
Still Electric/Diesel Forklift		4-Feb		2-Apr		25-Jun		27-Aug		29-Oct		31-Dec
Power/Control Panels							1-Jul					

	Indicate Maintenance Not Complete
	Indicate Maintenance Completed

PREVENTIVE MAINTENANCE REPRESENTATIVE

Preventive Maintenance of Machines Report

Name of machine: Reactor-101

Periodic maintenance plan: Date: 07/01/2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	Clean motor of any dust or oil	OK	
		Check oil & grease from bearing	Not OK	- Top up oil level
		Is motor fan working condition	Yes	
		Check bearing noise or motor sound	OK	
		Check motor temperature	OK	
		Check motor speed/RPM	OK	
2	Pumps	check the pump lubrication	OK → Need Top up	
		check pump oil level	OK	
		check over all vibration	OK	
		check pump flow	OK	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	Normal	
		Check oil level	OK	
		Check oil leakage from gearbox	No	
		Check shaft & performance of gearbox	OK	
		Check RPM of shaft	OK	

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4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	OK	one flange bolt needs to tight
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indication are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Niraj Panchal Signature:

Preventive Maintenance of Machines Report

Name of machine: Reactor- 102

Periodic maintenance plan: Date: 05/10/2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	Clean motor of any dust or oil	OK	
		Check oil & grease from bearing	OK	
		Is motor fan working condition	OK	
		Check bearing noise or motor sound	OK	→ minor Sound Observed
		Check motor temperature	Ok	
		Check motor speed/RPM	ok	
2	Pumps	check the pump lubrication	OK	
		check pump oil level	OK	→ Needs little Top up oil
		check over all vibration	OK	
		check pump flow	ok	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	OK	
		Check oil level	ok	
		Check oil leakage from gearbox	UK	→ Drop wise leakage & Rectified
		Check shaft & performance of gearbox	OK	
		Check RPM of shaft	OK	

4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	OK	
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indication are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Nisar Ramaol

Signature: Ramaol

Preventive Maintenance of Machines Report

Name of machine: Reactor-103

Periodic maintenance plan: Date: 15/10/2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	Clean motor of any dust or oil	OK	Needs housekeeping.
		Check oil & grease from bearing	OK	
		Is motor fan working condition	OK	
		Check bearing noise or motor sound	OK	
		Check motor temperature	OK	
		Check motor speed/RPM	OK	
2	Pumps	check the pump lubrication	OK	
		check pump oil level	OK	
		check over all vibration	OK	
		check pump flow	OK	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	OK	
		Check oil level	OK	
		Check oil leakage from gearbox	OK	
		Check shaft & performance of gearbox	OK	
		Check RPM of shaft	OK	

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4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	Not OK	Strainer needs Cleaning
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indication are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Niraj Panchal Signature: Panchal

Preventive Maintenance of Machines Report

Name of machine: Reactor -105

Periodic maintenance plan: Date: 22/01/2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	The clean motor of any dust or oil	OK	
		Check oil & grease from bearing	OK	
		Is the motor fan working in condition	OK	
		Check bearing noise or motor sound	OK	check bearing sound. Minor sound observed
		Check motor temperature	OK	
		Check motor speed/RPM	OK	
2	Pumps	check the pump lubrication	OK	
		check the pump oil level	Not OK	Needs to fill oil
		check overall vibration	OK	
		check pump flow	OK	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	OK	
		Check oil level	OK	
		Check oil leakage from the gearbox	OK	
		Check shaft & performance of the gearbox	OK	
		Check RPM of shaft	OK	

4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	OK – Strainer needs Cleaning	
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indications are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Niraw Panchal Signature:

Preventive Maintenance of Machines Report

Name of machine: Reactor-104

Periodic maintenance plan: Date: 06 / Aug 2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	The clean motor of any dust or oil	OK – Needs cleaning	
		Check oil & grease from bearing	OK	
		Is the motor fan working condition	OK	
		Check bearing noise or motor sound	OK	
		Check motor temperature	OK	
		Check motor speed/RPM	OK	
2	Pumps	check the pump lubrication	OK	
		check the pump oil level	OK	
		check overall vibration	OK	
		check pump flow	OK	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	OK	
		Check oil level	OK	
		Check oil leakage from the gearbox	OK	
		Check shaft & performance of the gearbox	OK	
		Check RPM of shaft	OK	

4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK – TT Needs Replace	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	OK	
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indications are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Nisaw Kumar Signature:

Preventive Maintenance of Machines Report

Name of machine: Air Compressor

Periodic maintenance plan: Date: 29/04/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Check the oil level	OK	
2	Check the belt tension	OK	
3	Check air filter	Not OK	air filter Needs Cleaning
4	Check the temperature	O K	
5	Check the oil leakage near compressor	No leakage	

Maintenance Incharge: Niraw Panchal Signature:

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Preventive Maintenance of Machines Report

Name of machine: AODD PUMP

Periodic maintenance plan: Date: 29 /10 / 2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result Ok/Not Ok	Comments
1	Check inlet & outlet flow of pump	OK	
2	Check the leakage of pump	OK	
3	Check the muffler of pump, if necessary, change	OK	Muffler needs to change

Maintenance Incharge: Nisar Ramchal Signature:

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Preventive Maintenance of Machines Report

Name of machine: COOLING TOWER

Periodic maintenance plan: Date: 1st Sept / 2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Clean Inlet Louvers to remove entrained matter	OK	
2	Drain Tank, flush out and remove any sediment	OK	
3	Check Basin damage and repair if necessary	OK	Basin downside Needs Cleaning
4	Check growth of Algae and remove from sump	OK	found little Algae formation.
5	Grease all bearings of Motors.	OK	
6	Grease all bearings of Fan Shaft	OK	
7	Check run out on Fan Motor coupling and fan	OK	
8	Clean blades of foreign matter	OK	

Maintenance Incharge: Niraw Ramanad Signature:

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Preventive Maintenance of Machines Report

Name of machine: Reactor-106 (ESBO)

Periodic maintenance plan: Date: 01/07/2026 Year: 2026

Electrical and Mechanical maintenance				
Sr.no	Equipment	Maintenance checklist	Result	Comments
1	Motors	Clean motor of any dust or oil	OK	
		Check oil & grease from bearing	OK	
		Is motor fan working condition	OK	
		Check bearing noise or motor sound	OK	
		Check motor temperature	OK	
		Check motor speed/RPM	OK	
2	Pumps	check the pump lubrication	OK	
		check pump oil level	OK	- Torque oil
		check over all vibration	OK	
		check pump flow	OK	
		check pump sound	OK	
3	Gare Box	Check noise & vibration	OK	
		Check oil level	OK	
		Check oil leakage from gearbox	OK	
		Check shaft & performance of gearbox	OK	
		Check RPM of shaft	OK	

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4	Load Cell	Check load cell display working proper or not	OK	
5	HL, LL, TT	Check indication & display working properly	OK	
		Check the leakage from sensors	OK	
6	Piping	Check all equipment piping	OK	
		Check all flanges, valves, strainers, etc.	OK	- one flange bolt need tighting
		Check all flexible hose of equipment	OK	
7	Control Panel	Check all the switches are in working condition	OK	
		Check all indications are working properly	OK	
		Check RPM & TEMP display working properly	OK	
		Check control & power wiring	OK	

Maintenance Incharge: Nirav Ramchad Signature:

Preventive Maintenance of Machines Report

Name of machine: RO-Plant

Periodic maintenance plan: Date: 10/09/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Water rinsing for sand filter and carbon filter	OK	
2	Flowmeter check & replace (if require)	OK	
3	SIP cleaning thoroughly for the system	OK	
4	Check cartridge filter condition (replace If required)	OK	
5	Check Electrical panel & all digital displays working properly	OK	
6	Check the leakage and piping condition	OK	
7	Check all instruments in RO Unit. (Conductivity, pH & ORP Sensors)	OK	
8	Check Primary & High-Pressure pump	OK	
9	Check motor & pump condition (motor sound,	OK	

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	motor vibration, leakage)		
10	Check all dosing pumps are working properly	OK	
11	Check all the pressure gauges working properly or not.	OK	Pressure gauge Needs to be calibrated

Maintenance Incharge : Niranjan Panchal Signature : Panchal

Preventive Maintenance of Machines Report

Name of machine: Scrubber

Periodic maintenance plan: Date: 20/05/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance Checklist	Result	Comments
1	Check the suction valve is open or not	OK	
2	Check the Electrical Panel indication, switches are working.	OK	
3	Clean the scrubber area	OK	Needs Housekeeping
4	Check motor sound, vibration, greasing, fan, temp & RPM.	OK	
5	Check the pump oil level, lubrication, sound, and vibration.	OK	
6	Check pump flow	OK	
7	Check blower motor vibration, RPM, sound, and lubrication.	OK	
8	Check the blower impeller if rotating freely or not.	OK	
9	Check scrubber piping, valves, and gauges.	OK	

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Maintenance Incharge: N Prasad Ramana Signature: P Ramana

Preventive Maintenance of Machines Report

Name of machine: Softener Plant

Periodic maintenance plan: Date: 27/05/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Check motor & pump sound, vibration, leakages.	OK	
2	Check motor fan is working properly or not & check the temp of motor.	OK	
3	Check panel indication, switches & wiring.	OK	
4	Check overall leakage (if there fix it).	OK	

Maintenance Incharge: Nirav Panchal Signature:

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Preventive Maintenance of Machines Report

Name of machine: STEAM BOILER

Periodic maintenance plan: Date: 03/09/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Check electrical panel, indications, switches, displays, and wiring.	OK	
2	Check fuel oil level in the fuel tank	OK	
3	Check the water softness	OK	
4	Ensure proper lubrication to all moving parts	OK	
5	Clean oil filter and burner nozzle	OK	
6	Check the press & temp gauge	OK	
7	Check motor & pump vibration, sound, RPM , Flow, & temp.	OK	
8	Check leakage in piping & valves.	OK	

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9	Check pressure reducing station: • Pressure gauge • Safety valve • PRV valve	OK	

Maintenance Incharge: Nisar Panchal Signature:

Preventive Maintenance of Machines Report

Name of machine: Thermic fluid heater

Periodic maintenance plan: Date: 13/08/2026 Year: 2026

Electrical and Mechanical maintenance			
Sr.no	Maintenance checklist	Result	Comments
1	Diesel filter cleaning.	OK	Filter Need Cleaning
2	Burner checks/pressure gauge checks (repair if require).	OK	
3	Check the level if the diesel tank.	OK	Tolup Needed
4	Check the motor vibration and sound.	OK	
5	Check over all leakage	OK	
6	Check the panel indications, switches, and main power supply.	OK	

Maintenance Incharge: Niraw Panwar Signature:

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