
ตัวอย่างแผนและการตรวจสอบ ซ่อมบำรุงเครื่องจักร/ อุปกรณ์/ระบบบำบัด/ ท่อขนส่ง
(Internal & External) และรายงานผลการดูแลบำรุงรักษาโครงสร้างสำหรับวางท่อ (PIPE RACK)

ObjectType	Object type text	Rank	PM1	PM2	PM3	PM4
INANGD	Gas Detector	A	Keep the existing plan			
INANGD	Gas Detector	B	Keep the existing plan			
INANGD	Gas Detector	C	Keep the existing plan			
INANGD	Gas Detector	S	Keep the existing plan			
INCLDC	Dcs/Plc Console	A	Keep the existing plan			
INCLDC	Dcs/Plc Console	B	Keep the existing plan			
INCLDC	Dcs/Plc Console	C	Keep the existing plan			
INCLDC	Dcs/Plc Console	S	Keep the existing plan			
INCLMS	Misc.Of Dcs/Plc	A	Keep the existing plan			
INCLMS	Misc.Of Dcs/Plc	B	Keep the existing plan			
INCLMS	Misc.Of Dcs/Plc	C	Keep the existing plan			
INCLMS	Misc.Of Dcs/Plc	S	Keep the existing plan			
INCLVB	Vibration Monitor	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INCLVB	Vibration Monitor	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INCLVB	Vibration Monitor	C	4Y-INSPECTION	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INCLVB	Vibration Monitor	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFEFH	Hand Switch	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFEFH	Hand Switch	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFEFH	Hand Switch	C	4Y-INSPECTION	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFEFH	Hand Switch	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFLIN	Flow Indicator	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFLIN	Flow Indicator	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFLIN	Flow Indicator	C	4Y-INSPECTION	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFLIN	Flow Indicator	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWFM	FlowMeter Pd,Vor,Mag	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWFM	FlowMeter Pd,Vor,Mag	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFWFM	FlowMeter Pd,Vor,Mag	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFWFM	FlowMeter Pd,Vor,Mag	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWIN	Integral Orifice	A				
INFWIN	Integral Orifice	B				
INFWIN	Integral Orifice	C				
INFWIN	Integral Orifice	S				
INFWMS	Mass Flow Meter	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWMS	Mass Flow Meter	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFWMS	Mass Flow Meter	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFWMS	Mass Flow Meter	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWOR	Orifice Assemblies	A				
INFWOR	Orifice Assemblies	B				
INFWOR	Orifice Assemblies	C				
INFWOR	Orifice Assemblies	S				
INFWRP	Rotameters & Purge	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWRP	Rotameters & Purge	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFWRP	Rotameters & Purge	C	4Y-INSPECTION	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFWRP	Rotameters & Purge	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWSG	Flow Sight Glass	A	2Y-FUNCTION TEST AND CALIBRATION			
INFWSG	Flow Sight Glass	B	3Y-FUNCTION TEST AND CALIBRATION			
INFWSG	Flow Sight Glass	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INFWSG	Flow Sight Glass	S	2Y-FUNCTION TEST AND CALIBRATION			
INFWTB	Turbine Meters	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWTB	Turbine Meters	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFWTB	Turbine Meters	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFWTB	Turbine Meters	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWTM	Flow Transmitter	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWTM	Flow Transmitter	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INFWTM	Flow Transmitter	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INFWTM	Flow Transmitter	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INFWVE	Venturi & Flow Nozzl	A				
INFWVE	Venturi & Flow Nozzl	B				
INFWVE	Venturi & Flow Nozzl	C				
INFWVE	Venturi & Flow Nozzl	S				
INIPAN	Input-Analyszer	A	Keep the existing plan			
INIPAN	Input-Analyszer	B	Keep the existing plan			
INIPAN	Input-Analyszer	C	Keep the existing plan			
INIPAN	Input-Analyszer	S	Keep the existing plan			
INIPFS	Input-Flow	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPFS	Input-Flow	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPFS	Input-Flow	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPFS	Input-Flow	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLP	Input-Limit Switch	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLP	Input-Limit Switch	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLP	Input-Limit Switch	C	4Y-INSPECTION EMERGENCY SWITCH	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPLP	Input-Limit Switch	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLS	Input-Level	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLS	Input-Level	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPLS	Input-Level	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPLS	Input-Level	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPOT	Input-Others	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		

Object Type	Object type text	Rank	PM1	PM2	PM3	PM4
INIPOT	Input-Others	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPOT	Input-Others	C	4Y-INSPECTION EMERGENCY SWITCH	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPOT	Input-Others	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPPS	Input-Pressure	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPPS	Input-Pressure	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPPS	Input-Pressure	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPPS	Input-Pressure	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPTS	Input-Temperature	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIPTS	Input-Temperature	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INIPTS	Input-Temperature	C	4Y-INSPECTION	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIPTS	Input-Temperature	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INIVAR	Automatic Recirculat	A				
INIVAR	Automatic Recirculat	B				
INIVAR	Automatic Recirculat	C				
INIVAR	Automatic Recirculat	S				
INIVCV	Control Valves	A	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVCV	Control Valves	B	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	5Y-REPLACE PNEUMATIC PARTS	10Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVCV	Control Valves	C	4Y-INSPECTION / TUBING LEAKAGE TEST	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIVCV	Control Valves	S	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVDP	Damper Valve	A	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVDP	Damper Valve	B	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	5Y-REPLACE PNEUMATIC PARTS	10Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVDP	Damper Valve	C	4Y-INSPECTION / TUBING LEAKAGE TEST	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIVDP	Damper Valve	S	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVSV	Solenoid Valve	A	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVSV	Solenoid Valve	B	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	5Y-REPLACE PNEUMATIC PARTS	10Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INIVSV	Solenoid Valve	C	4Y-INSPECTION / TUBING LEAKAGE TEST	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INIVSV	Solenoid Valve	S	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INLVLG	Level Gauge	A	2Y-FUNCTION TEST AND CALIBRATION			
INLVLG	Level Gauge	B	3Y-FUNCTION TEST AND CALIBRATION			
INLVLG	Level Gauge	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INLVLG	Level Gauge	S	2Y-FUNCTION TEST AND CALIBRATION			
INLVL	Level Switch	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INLVL	Level Switch	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INLVL	Level Switch	C	4Y-INSPECTION EMERGENCY SWITCH	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INLVL	Level Switch	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTG	Tank Gauge & Trans	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTG	Tank Gauge & Trans	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTG	Tank Gauge & Trans	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INLVTG	Tank Gauge & Trans	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTM	Level Transmitter	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTM	Level Transmitter	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTM	Level Transmitter	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	20Y-SHALL BE REPLACED WITH A NEW ONE		
INLVTM	Level Transmitter	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHBF	Burner FlameDetector	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHBF	Burner FlameDetector	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INOHBF	Burner FlameDetector	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INOHBF	Burner FlameDetector	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHCM	Custody Meter & Truc	A	Keep the existing plan			
INOHCM	Custody Meter & Truc	B	Keep the existing plan			
INOHCM	Custody Meter & Truc	C	Keep the existing plan			
INOHCM	Custody Meter & Truc	S	Keep the existing plan			
INOHFC	Flow Computers	A	Keep the existing plan			
INOHFC	Flow Computers	B	Keep the existing plan			
INOHFC	Flow Computers	C	Keep the existing plan			
INOHFC	Flow Computers	S	Keep the existing plan			
INOHSP	Speed Instrument	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHSP	Speed Instrument	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INOHSP	Speed Instrument	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INOHSP	Speed Instrument	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHVB	Vibration Instrument	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INOHVB	Vibration Instrument	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INOHVB	Vibration Instrument	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INOHVB	Vibration Instrument	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSDP	Differential Pressur	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSDP	Differential Pressur	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INPSDP	Differential Pressur	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INPSDP	Differential Pressur	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSPG	Press.& Draft Guages	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSPG	Press.& Draft Guages	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INPSPG	Press.& Draft Guages	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		
INPSPG	Press.& Draft Guages	S	2Y-FUNCTION TEST AND CALIBRATION			
INPSPS	Pressure Switches	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSPS	Pressure Switches	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INPSPS	Pressure Switches	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE.		

ObjectType	Object type text	Rank	PM1	PM2	PM3	PM4
INPSPS	Pressure Switches	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSTM	Pressure Transmitter	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INPSTM	Pressure Transmitter	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INPSTM	Pressure Transmitter	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	20Y-SHALL BE REPLACED WITH A NEW ONE		
INPSTM	Pressure Transmitter	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTECT	Temp Controller	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTECT	Temp Controller	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTECT	Temp Controller	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTECT	Temp Controller	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTERT	Rtd 'S	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTERT	Rtd 'S	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTERT	Rtd 'S	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTERT	Rtd 'S	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETC	Temp. Element	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETC	Temp. Element	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTETC	Temp. Element	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTETC	Temp. Element	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETG	Temp.GuagesIndicator	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETG	Temp.GuagesIndicator	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTETG	Temp.GuagesIndicator	C	8Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTETG	Temp.GuagesIndicator	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETM	Temp. Trans	A	2Y-FUNCTION TEST AND CALIBRATION / DIAGNOSTICS TEST BY AMS	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETM	Temp. Trans	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTETM	Temp. Trans	C	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTETM	Temp. Trans	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETS	Temperture Switch	A	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETS	Temperture Switch	B	3Y-FUNCTION TEST AND CALIBRATION	15Y-SHALL BE REPLACED WITH A NEW ONE		
INTETS	Temperture Switch	C	4Y-INSPECTION	20Y-SHALL BE REPLACED WITH A NEW ONE		
INTETS	Temperture Switch	S	2Y-FUNCTION TEST AND CALIBRATION	10Y-SHALL BE REPLACED WITH A NEW ONE		
INTETW	Thermowell	A				
INTETW	Thermowell	B				
INTETW	Thermowell	C				
INTETW	Thermowell	S				
INVADI	Diaphragm Valve	A	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INVADI	Diaphragm Valve	B	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	5Y-REPLACE PNEUMATIC PARTS	10Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INVADI	Diaphragm Valve	C	4Y-INSPECTION / TUBING LEAKAGE TEST	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INVADI	Diaphragm Valve	S	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INVAOH	Other Valve	A	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INVAOH	Other Valve	B	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	5Y-REPLACE PNEUMATIC PARTS	10Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INVAOH	Other Valve	C	4Y-INSPECTION / TUBING LEAKAGE TEST	8Y-FUNCTION TEST AND CALIBRATION	20Y-SHALL BE REPLACED WITH A NEW ONE.	
INVAOH	Other Valve	S	1Y-INSPECTION / TUBING LEAKAGE TEST / DIAGNOSTICS TEST BY AMS	2Y-CALIBRATE/ FUNCTION TEST / VALVE SIGNATURE TEST	4Y-REPLACE PNEUMATIC PARTS	8Y-OVERHAUL VALVE / REPLACE POSITIONER AND ALL ACCESSORIES
INWGSC	Weight Scale Trans.	A	Keep the existing plan			
INWGSC	Weight Scale Trans.	B	Keep the existing plan			
INWGSC	Weight Scale Trans.	C	Keep the existing plan			
INWGSC	Weight Scale Trans.	S	Keep the existing plan			

Examples of Instrument Preventive Maintenance Work in 2024

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FTT-240B1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	07/01/2024	INTETM
FTT-240B2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	07/01/2024	INTETM
CTT-316	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	12/01/2024	INTETM
FLT-340	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	13/01/2024	INLVTM
FLT-420	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	13/01/2024	INLVTM
FLT-510	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	13/01/2024	INLVTM
FLT-710	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	13/01/2024	INLVTM
CTT-310	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AMS AREA	15/01/2024	INTETM
UFT-130	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	17/01/2024	INFWTM
UFT-202	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	17/01/2024	INFWTM
UFT-292	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	17/01/2024	INFWTM
UFT-910	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	17/01/2024	INFWTM
UFT-9102	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	17/01/2024	INFWTM
UFT-9122	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	FLARE	17/01/2024	INFWTM
UFT-924	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	PGU AREA	17/01/2024	INFWTM
MPT-100SA	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-330T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-410T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-510T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-620T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-630T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-640T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
MPT-650T	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	17/01/2024	INPSTM
ATT-101A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
ATT-101B	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
ATT-101C	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
ATT-103A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
ATT-103B	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
ATT-103C	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	23/01/2024	INTETM
WLT-452	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	23/01/2024	INLVTM
XFT-910	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	FLARE	23/01/2024	INFWTM
ZLT-990	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	23/01/2024	INLVTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
RLT-1102	PM	A	Level Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SPHERE	24/01/2024	INLVTM
ATT-110C1-8	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C1-9	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-10	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-11	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-12	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-13	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-7	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-8	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C2-9	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C3-10	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
ATT-110C3-11	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INTETM
UFT-141	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144A2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144A2-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144A4	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144B2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144B2-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144B4	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144C2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144C2-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-144C4	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-151	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A1-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A1-2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A2-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A2-2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A3-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
UFT-154A4-2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	25/01/2024	INFWTM
AFT-144C	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1200	04/02/2024	INFWTM
AFT-144D	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1200	04/02/2024	INFWTM
FTT-320A	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	04/02/2024	INTETM
FTT-320B	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	04/02/2024	INTETM
FTT-320C	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	04/02/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FTT-320D	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	04/02/2024	INTETM
SWE-420A	PM	B	Weight Scale Trans.	1Y-CALIBRATION	ROBIO	16/02/2024	INWGSC
SWE-420B	PM	B	Weight Scale Trans.	1Y-CALIBRATION	ROBIO	16/02/2024	INWGSC
SWE-420C	PM	B	Weight Scale Trans.	1Y-CALIBRATION	ROBIO	16/02/2024	INWGSC
SWE-420D	PM	B	Weight Scale Trans.	1Y-CALIBRATION	ROBIO	16/02/2024	INWGSC
SWT-420	PM	C	Weight Scale Trans.	1Y-CALIBRATION	ROBIO	16/02/2024	INWGSC
MPT-899	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	16/02/2024	INPSTM
GFT-522C-1	PM	A	Flow Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	19/02/2024	INFWTM
CFT-ST15	PM	C	Flow Transmitter	8Y-TEST AND CALIBRATION (SIGNAL TYPE)	AMS AREA	19/02/2024	INFWTM
CFT-ST4	PM	C	Flow Transmitter	8Y-TEST AND CALIBRATION (SIGNAL TYPE)	AMS AREA	19/02/2024	INFWTM
FFT-340	PM	C	Flow Transmitter	8Y-TEST AND CALIBRATION (SIGNAL TYPE)	SAR AREA	19/02/2024	INFWTM
MLT-280A	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MLT-280B	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MLT-310	PM	N/A	Transmitter	4Y-CALIBRATE TRANSMITTER	MMA AREA	19/02/2024	INLVTM
MLT-310T	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MLT-350	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MLT-413	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MLT-620B	PM	C	Level Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INLVTM
MTT-284	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-310	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-310RM	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-317	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-330F	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-330M	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
MTT-330T	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/02/2024	INTETM
GTT-520C	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	29/02/2024	INTETM
UTT-133A	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-133B	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-133C	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-134A	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-139	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-161	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM
UTT-410	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	29/02/2024	INTETM
UTT-911	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/02/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FTT-240A1-2	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	03/03/2024	INTETM
MPT-ST1-5	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	MMA AREA	13/03/2024	INPSTM
GPT-130	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	16/03/2024	INPSTM
GPT-514A	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	16/03/2024	INPSTM
ALT-310	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	19/03/2024	INLVTM
ALT-320	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INLVTM
ALT-920	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INLVTM
ALT-930	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	19/03/2024	INLVTM
ALT-940	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INLVTM
ALT-950	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INLVTM
ALT-960	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INLVTM
APT-166	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INPSTM
APT-167	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INPSTM
APT-172	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INPSTM
APT-173	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INPSTM
APT-1751	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	19/03/2024	INPSTM
ATT-104A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	19/03/2024	INTETM
ATT-104B	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	19/03/2024	INTETM
ATT-104C	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	19/03/2024	INTETM
PLT-130	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	PGU AREA	19/03/2024	INLVTM
RLT-213	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SPHERE	19/03/2024	INLVTM
SLT-230	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	19/03/2024	INLVTM
SLT-250	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	19/03/2024	INLVTM
SLT-270	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	19/03/2024	INLVTM
TPT-510	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	19/03/2024	INPSTM
UPT-614B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AIRCOM	19/03/2024	INPSTM
UPT-615B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AIRCOM	19/03/2024	INPSTM
UPT-616A	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AIRCOM	19/03/2024	INPSTM
UPT-616B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AIRCOM	19/03/2024	INPSTM
UPT-620	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AIRCOM	19/03/2024	INPSTM
UPT-910	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	19/03/2024	INPSTM
UPT-950	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AIRCOM	19/03/2024	INPSTM
WPT-420A	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	19/03/2024	INPSTM
WPT-430	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	19/03/2024	INPSTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
WPT-440	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	19/03/2024	INPSTM
WPT-450	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	19/03/2024	INPSTM
FPT-410B	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	19/03/2024	INPSTM
FPT-413	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	19/03/2024	INPSTM
MLT-010-1	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	19/03/2024	INLVTM
MLT-010-2	PM	B	Level Transmitter	3Y-FUNCTION TEST	STORAGE	19/03/2024	INLVTM
MLT-910B1	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	19/03/2024	INLVTM
MLT-920A1	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4200	19/03/2024	INLVTM
MLT-920B1	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4200	19/03/2024	INLVTM
MLT-950	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	19/03/2024	INLVTM
MLT-970	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AMS AREA	19/03/2024	INLVTM
MLT-980	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AIRCOM	19/03/2024	INLVTM
MLT-990	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AMS AREA	19/03/2024	INLVTM
MPT-011A	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	19/03/2024	INPSTM
MPT-011B	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	19/03/2024	INPSTM
MPT-N01	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	19/03/2024	INPSTM
AN-FGS	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	22/03/2024	INCLMS
DCS-AN	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	22/03/2024	INCLMS
ESD-AN	PM	N/A	DCS, ESD, FGS	6M-ESD DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	22/03/2024	INCLMS
ESD-MMA	PM	N/A	DCS, ESD, FGS	6M-ESD DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	22/03/2024	INCLMS
MMA-FGS	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	22/03/2024	INCLMS
ATT-110C3-12	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C3-13	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C3-7	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C3-8	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C3-9	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-10	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-11	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-12	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-13	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-7	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-8	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-110C4-9	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112A	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
ATT-112A-1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112A-10	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112A-11	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112A-8	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112A-9	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112B	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112B-1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112B-10	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
ATT-112B-11	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
GLT-540	PM	A	Level Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INLVTM
GLT-540A	PM	A	Level Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INLVTM
GLT-540B	PM	A	Level Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INLVTM
GLT-540C	PM	A	Level Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INLVTM
GPT-510	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INPSTM
GPT-520	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AOG AREA	28/03/2024	INPSTM
HPT-111	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ACH AREA	28/03/2024	INPSTM
HPT-114	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ACH AREA	28/03/2024	INPSTM
HPT-2102	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ACH AREA	28/03/2024	INPSTM
RPT-110	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SPHERE	28/03/2024	INPSTM
RPT-1103	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SPHERE	28/03/2024	INPSTM
SLT-310	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	28/03/2024	INLVTM
SLT-910	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	ROBIO	28/03/2024	INLVTM
TLT-910	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SPHERE	28/03/2024	INLVLS
UFT-154A3-2	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INFWTM
UFT-154A4-1	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INFWTM
ULT-112	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	FLARE	28/03/2024	INLVTM
UPT-990	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS		28/03/2024	INPSTM
UTT-122	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	28/03/2024	INTETM
VTT-130	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	28/03/2024	INTETM
VTT-140	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	28/03/2024	INTETM
VTT-221	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	FLARE	28/03/2024	INTETM
XLT-912B	PM	S	Level Transmitter	2Y-FUNCTION TEST AND CALIBRATION	FLARE	28/03/2024	INLVTM
XLT-912C	PM	S	Level Transmitter	2Y-FUNCTION TEST AND CALIBRATION	FLARE	28/03/2024	INLVTM
XLT-912D	PM	S	Level Transmitter	2Y-FUNCTION TEST AND CALIBRATION	FLARE	28/03/2024	INLVTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FFT-320	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	28/03/2024	INFWTM
FTT-330	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
FTT-330A	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
FTT-330B	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
FTT-330C	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
FTT-330D	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
FTT-330E	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	30/03/2024	INTETM
MTT-520	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-610F	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-612DR	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-616	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-620M	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-622DR	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
MTT-626	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	30/03/2024	INTETM
ATT-115B-2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115B-3	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115B-4	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115C-1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115C-2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115C-3	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-115C-4	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116A-1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116A-2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116A-3	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116B-2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116B-3	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116C-1	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116C-2	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-116C-3	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
ATT-117A-4	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	05/04/2024	INTETM
GTT-520I	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/04/2024	INTETM
GTT-530A	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/04/2024	INTETM
GTT-530B	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/04/2024	INTETM
GTT-530C	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/04/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FTT-110D	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	SAR AREA	08/04/2024	INTETM
WLT-442B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WWI-4100	24/04/2024	INLVTM
MLT-330B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/05/2024	INLVTM
MLT-333A	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/05/2024	INLVTM
MLT-410B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/05/2024	INLVTM
MLT-420	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/05/2024	INLVTM
DCS-MMA	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	02/05/2024	INCLMS
CTT-3102	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	05/05/2024	INTETM
MTT-630M	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-632DR	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-636	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-642DR	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-643	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-646	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
MTT-650T	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/05/2024	INTETM
PTT-120A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	15/05/2024	INTETM
PTT-120B	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	15/05/2024	INTETM
RLT-1101	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	SPHERE	16/05/2024	INLVTM
MZ-004	PM	A	Weight Scale Trans.	1Y-CALIBRATION	STORAGE	21/05/2024	INWGSC
MLT-510B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/06/2024	INLVTM
MLT-513	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/06/2024	INLVTM
MLT-610B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/06/2024	INLVTM
MLT-616	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/06/2024	INLVTM
CPT-212	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AMS AREA	05/06/2024	INPSTM
MTT-653	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/06/2024	INTETM
MTT-659W	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/06/2024	INTETM
MTT-660	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	05/06/2024	INTETM
FTT-110A	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	SAR AREA	08/07/2024	INTETM
UZ-001A	PM	A	Weight Scale Trans.	1Y-CALIBRATION	STORAGE	26/07/2024	INWGSC
UZ-001B	PM	A	Weight Scale Trans.	1Y-CALIBRATION	STORAGE	26/07/2024	INWGSC
CPT-312B	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	28/07/2024	INPSTM
CPT-316	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	28/07/2024	INPSTM
CPT-317	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	28/07/2024	INPSTM
CPT-320	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	AMS AREA	28/07/2024	INPSTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
FPT-160U	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	28/07/2024	INPSTM
MLT-710	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/08/2024	INLVTM
MLT-720	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/08/2024	INLVTM
FPT-160V	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	12/08/2024	INPSTM
FPT-160W	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	12/08/2024	INPSTM
AFT-112A-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INFWTM
AFT-113A-1	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INFWTM
AFT-113A-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INFWTM
AFT-114A-1	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INFWTM
AFT-114A-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INFWTM
APT-113A-1	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INPSTM
APT-113A-2	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INPSTM
APT-113A-3	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INPSTM
ATT-110A1-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A1-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A1-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A1-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A1-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A1-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A2-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A3-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A4-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A4-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A4-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
ATT-110A4-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A4-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-110A4-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-112A-7	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-113A-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-113A-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-113A-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-114A-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-114A-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-114A-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-118A-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-118A-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
ATT-118A-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	13/08/2024	INTETM
UTT-162	PM	N/A	Transmitter	4Y-CALIBRATE TRANSMITTER	AN-1100	13/08/2024	INTETM
UTT-519	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	13/08/2024	INTETM
FPT-160X	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-160Y	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-160Z	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-180	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-180A	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-180B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
FPT-180C	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	13/08/2024	INPSTM
MTT-711	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-720	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-721	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-730	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-740	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-750	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM
MTT-760	PM	C	Temp. Trans	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	19/08/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
PTIT-120A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	27/08/2024	INTETM
PTIT-120B	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	27/08/2024	INTETM
PTIT-120C	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	27/08/2024	INTETM
PTT-220A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	27/08/2024	INTETM
FPT-180E	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	27/08/2024	INPSTM
FPT-181	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	SAR AREA	27/08/2024	INPSTM
FPT-210A	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	27/08/2024	INPSTM
FPT-210B	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	27/08/2024	INPSTM
FPT-230	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	27/08/2024	INPSTM
FPT-249	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	SAR AREA	27/08/2024	INPSTM
FTT-110C	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	SAR AREA	27/08/2024	INTETM
PPT-340	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	PGU AREA	03/09/2024	INPSTM
MPT-636	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	03/09/2024	INPSTM
MPT-640B	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	03/09/2024	INPSTM
MPT-652	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	03/09/2024	INPSTM
MPT-660	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	03/09/2024	INPSTM
AFT-112B	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	18/09/2024	INFWTM
AFT-113B	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	18/09/2024	INFWTM
AFT-114B	PM	B	Flow Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	18/09/2024	INFWTM
ULT-150	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	18/09/2024	INLVTM
ULT-200	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	8100	18/09/2024	INLVTM
ULT-212	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WC TOWER	18/09/2024	INLVTM
MLT-730	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	18/09/2024	INLVTM
MLT-740	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	18/09/2024	INLVTM
MLT-750	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	18/09/2024	INLVTM
MLT-760	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	18/09/2024	INLVTM
AN-FGS	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	18/09/2024	INCLMS
DCS-AN	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	18/09/2024	INCLMS
ESD-AN	PM	N/A	DCS, ESD, FGS	6M-ESD DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	18/09/2024	INCLMS
ESD-MMA	PM	N/A	DCS, ESD, FGS	6M-ESD DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	18/09/2024	INCLMS
MMA-FGS	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	18/09/2024	INCLMS
MLT-871	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	01/10/2024	INLVTM
AFT-112B-1	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	07/10/2024	INFWTM
AFT-112B-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	07/10/2024	INFWTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
APT-113B-1	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INPSTM
APT-113B-2	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INPSTM
APT-113B-3	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INPSTM
ATT-110B1-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INTETM
ATT-110B1-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INTETM
ATT-110B1-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INTETM
ATT-110B1-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INTETM
ATT-110B1-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	07/10/2024	INTETM
PPT-120A	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	07/10/2024	INPSTM
PPT-120B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	07/10/2024	INPSTM
PPT-120C	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	07/10/2024	INPSTM
PPT-121	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	PGU AREA	07/10/2024	INPSTM
UPT-102	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AIRCOM	07/10/2024	INPSTM
UPT-920	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	11/10/2024	INPSTM
UPT-931	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1200	11/10/2024	INPSTM
UPT-932	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	11/10/2024	INPSTM
UPT-982	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	11/10/2024	INPSTM
UPT-983	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	11/10/2024	INPSTM
MLT-626	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	11/10/2024	INLVTM
MLT-630B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	11/10/2024	INLVTM
MLT-640B	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	11/10/2024	INLVTM
MLT-646	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	11/10/2024	INLVTM
GPT-521B	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	19/10/2024	INPSTM
GPT-591	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AOG AREA	19/10/2024	INPSTM
UPT-112	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	FLARE	19/10/2024	INPSTM
UPT-114	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	FLARE	19/10/2024	INPSTM
UPT-120	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	19/10/2024	INPSTM
UPT-130	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	19/10/2024	INPSTM
UPT-119A	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	20/10/2024	INPSTM
UPT-119A-1	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	20/10/2024	INPSTM
UPT-119B	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	20/10/2024	INPSTM
UPT-119B-1	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	20/10/2024	INPSTM
UPT-991	PM	S	Pressure Transmitter	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	20/10/2024	INPSTM
UPT-139	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	22/10/2024	INPSTM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
UPT-140	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	22/10/2024	INPSTM
UPT-150	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	22/10/2024	INPSTM
UPT-160	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	AN-1100	22/10/2024	INPSTM
UPT-210	PM	B	Pressure Transmitter	3Y-FUNCTION TEST AND CALIBRATION	WC TOWER	22/10/2024	INPSTM
FTT-110B	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	SAR AREA	22/10/2024	INTETM
MLT-266	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	22/10/2024	INLVTM
MLT-270A	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	22/10/2024	INLVTM
MLT-290	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	22/10/2024	INLVTM
AFT-113B-1	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	29/10/2024	INFWTM
AFT-113B-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	29/10/2024	INFWTM
AFT-114B-1	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	29/10/2024	INFWTM
AFT-114B-2	PM	S	Flow Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	29/10/2024	INFWTM
ATT-110B1-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B2-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B3-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-110B4-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-112B-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-112B-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-112B-4	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM

Equipment	Order Type	Ranking	Object TYPE	Description	Area	Plan date	ObjectType
ATT-112B-5	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-112B-6	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-112B-7	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-113B-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-113B-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-113B-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-114B-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-114B-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-114B-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-118B-1	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-118B-2	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
ATT-118B-3	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AN-1100	29/10/2024	INTETM
DCS-MMA	PM	N/A	DCS, ESD, FGS	6M-DCS DIAGNOSTIC & SYSTEM CHECK	MAIN-MCC	29/10/2024	INCLMS
MLT-960	PM	B	Level Transmitter	3Y-FUNCTION TEST AND CALIBRATION	STORAGE	31/10/2024	INLVTM
APIT-119A-3	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	05/11/2024	INPSTM
APIT-119A-5	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	05/11/2024	INPSTM
APIT-119B-3	PM	A	Pressure Transmitter	2Y-TEST & CALIBRATION,DIAGNOSTIC BY AMS	AN-1100	05/11/2024	INPSTM
GTT-510D	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
GTT-510E	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
GTT-510F	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
GTT-520D	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
GTT-520E	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
GTT-520F	PM	S	Temp. Trans	2Y-FUNCTION TEST AND CALIBRATION	AOG AREA	05/11/2024	INTETM
UTT-119A	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	05/11/2024	INTETM
UTT-119A-2	PM	A	Temp. Trans	2Y-TEST & CALIBRATION, DIAGNOSTIC BY AMS	AN-1100	05/11/2024	INTETM
MPT-670	PM	C	Pressure Transmitter	4Y-INSPECTION / DIAGNOSTICS TEST BY AMS	MMA AREA	11/11/2024	INPSTM
MTT-117	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	03/12/2024	INTETM
MTT-118	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	03/12/2024	INTETM
MTT-120	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	03/12/2024	INTETM
MTT-137	PM	B	Temp. Trans	3Y-FUNCTION TEST AND CALIBRATION	MMA AREA	03/12/2024	INTETM

Routine Schedule Plan for PM of CEMs , Gas Detector 2024

Sampling Handling System			Frequency					Remark
Item	Description	Period	1M	3M	4M	6M	1Y	
1	Replace filter probe	1Y					X	
2	Clean Heated sample line	1Y					X	
3	Clean Glass heat exchangers of gas cooler	1Y					X	
4	Replace Peristaltic pump hose of auto drain	3M		X				
5	Replace contact springs of auto drain	1Y					X	
6	Replace diaphragm kit for Sample pump	6M				X		
7	Replace CF Filter	3M		X				
8	Replace Perma pure dryer	1Y					X	
9	Replace NO2/NO converter & Teflon tube	1Y					X	
10	Replace DFU filter	1M	X					

Gas Analyzer			Frequency					Remark
Item	Description	Period	1M	3M	4M	6M	1Y	
1	Validation with standard	1M	X					
2	Calibrate with standard	1M	X					

Opacity/Dust Analyzer			Frequency					Remark
Item	Description	Period	1M	3M	4M	6M	1Y	
1	Clean all lens	1M	X					
2	Clean filter of blower	1M	X					
3	Adjust beam alignment	1M	X					
4	Window check	1M	X					
5	Replace new filter of blower	6M				X		

Gas Detector			Frequency					Remark
Item	Description	Period	1M	3M	4M	6M	1Y	
1	Clean filter pump	6M				X		
2	Monitor card micro pump gas	6M				X		

Item No.	Job Description	Progress	2024																																																				Remark
			Q1												Q2										Q3										Q4																				
			Jan				Feb				Mar				Apr				May				Jun				Jul				Aug				Sep				Oct				Nov				Dec								
W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	W26	W27	W28	W29	W30	W31	W32	W33	W34	W35	W36	W37	W38	W39	W40	W41	W42	W43	W44	W45	W46	W47	W48	W49	W50	W51	W52				
1.0	Phase 1 (Risk Reassessment)	50%																																																					
1.1	RBI risk review	50%																																																					
2.0	Phase 2 (Inspection Plan)	100%																																																					
2.1	Create worklist	100%																																																					
2.2	Yearly Contract performing	100%																																																					Done in 2023
3.0	Phase 3 (Execution)	42%																																																					
3.1	- Thickness monitoring (Equipment)	50%																																																					
3.2	- Thickness monitoring (Pipe-ISBL)	50%																																																					
3.3	- Thickness monitoring (Pipe-OSBL)	0%																																																					
3.5	- IRT AOG&WWI Furnace	50%																																																					
3.6	- Leak Sealing Monitoring	50%																																																					
3.7	- External visual inspection	50%																																																					
4.0	Phase 4 (Mitigation Plan)	50%																																																					
4.1	Issue in RCT	50%																																																					
5.0	Phase 5 (Reassessment)	50%																																																					
5.1	IDB updating	50%																																																					
Overall		58.33%																																																					

As updated

Electrical Equipment Master Plan

Date: 2024

Electrical Equipment Master Plan							
Item	Description	Group	PM-Description		TA-Description		
1	6.9KV EMERGENCY DIESEL GENERATOR	ELEMGE	1W-INSPECTION EMERGENCY DIESEL GENERATOR		2Y-INSPECTION EMERGENCY DIESEL GENERATOR	4Y-INSPECTION EMERGENCY DIESEL GENERATOR	8Y-INSPECTION EMERGENCY DIESEL GENERATOR
2	110 V.DC CHARGER	ELUPBC	1M-INSPECTION 110 V.DC CHARGER	1Y-INSPECTION BATTERY FOR DC CHRAGER		4Y-INSPECTION 110 V.DC CHARGER	8Y-INSPECTION 110 V.DC CHARGER
3	400/220V UPS SYSTEM	ELUPUB	1M-INSPECTION UPS SYSTEM	1Y-INSPECTION BATTERY FOR UPS SYSTEM		4Y-INSPECTION UPS SYSTEM	8Y-INSPECTION UPS SYSTEM
4	BATTERY FOR ENGINE	FASVFF	1M-INSPECTION BATTERY FOR ENGINE	1Y-ANNUAL INSPECTION			
5	SEPTIC BLOWER	ELMTMB	2M-INSPECTION SEPTIC BLOWER				
6	ANNUAL ELECTRICAL SYSTEM INSPECTION	ELSWBD	1Y-ANNUAL ELECTRICAL SYSTEM INSPECTION				
7	AVIATION LIGHTING SYSTEM	ELELTP1	1Y-INSPECTION AVIATION LIGHTING SYSTEM				
8	CATHODIC PROTECTION	FASVCT	1Y-INSPECTION CATHODIC PROTECTION				
9	DUST COLL. HV TRANSFORMER	ELSWSD	3M-INSPECTION DUST COLL. HV TRANSFORMER		2Y-INSPECTION DUST COLL. HV TRANSFORMER		
10	DUST COLL. CONTROL PANEL	ELSWSD	1Y- INSPECTION SUB DISTRIBUTION PANEL		2Y-INSPECTION DUST COLL. CONTROL PANEL		
11	DUST COLL. ELECTRIC HAETER	ELSWSD	2Y-INSPECTION DUST COLL. ELECTRIC HAETER		2Y-INSPECTION DUST COLL. ELECTRIC HAETER		
12	EMERGENCY & EXIT LIGHT	ELELTP	3M-INSPECTION EMERGENCY & EXIT LIGHT				
13	FIRE ALARM SYSTEM	ELEAFA	3M-INSPECTION FIRE ALARM SYSTEM	1Y-INSPECTION FIRE ALARM SYSTEM			
14	FM200 SYSTEM	ELEAFM	3M-INSPECTION FM200 SYSTEM	1Y-ANNUAL INSPECTION FM200			
15	HVAC. AIR CHILLER	ELPSAC	6M-INSPECTION HVAC. AIR CHILLER				
16	HVAC. AIR COND. ANALYZER	ELPSAC	6M-INSPECTION HVAC. AIR COND. ANALYZER				
17	HVAC. AIR COOLED UNIT	ELPSAC	6M-INSPECTION HVAC. AIR COOLED UNIT				
18	HVAC. CONDENSING UNIT	ELPSAC	6M-INSPECTION HVAC. CONDENSING UNIT				
19	HVAC. FAN COIL UNIT	ELPSAC	6M-INSPECTION HVAC. FAN COIL UNIT				
20	HVAC. AIR HANDLING UNIT	ELPSAC	6M-INSPECTION HVAC. AIR HANDLING UNIT				
21	HVAC. CHILLED WATER PUMP	ELPSAC	6M-INSPECTION HVAC. CHILLED WATER PUMP				
22	HVAC. LV MOTOR	ELMTMB	6M-INSPECTION LV MOTOR				
23	HVAC. PLC PANEL	ELPSAC	6M-INSPECTION HVAC. PLC PANEL				
24	LV MOTOR	ELMTMB	1Y-INSPECTION LV MOTOR		2Y-INSPECTION LV MOTOR /SINGLE & CRITICAL MOTOR ONLY		
25	MV MOTOR	ELMTMA	1Y-INSPECTION MV MOTOR		2Y-INSPECTION LV MOTOR /SINGLE & CRITICAL MOTOR ONLY		
26	INTERCOM SYSTEM	FAPSHD	1Y-INSPECTION INTERCOM SYSTEM				
27	LIGHTNING & GROUNDING	ELELTP	1Y-INSPECTION LIGHTNING & GROUNDING				
28	LIGHTING & RECEPTACLE	ELELTP	1Y-INSPECTION LIGHTING & RECEPTACLE				
29	WELDING RECEPTACLE	ELELTP	1Y-INSPECTION WELDING RECEPTACLE				
30	115KV TRANSFORMER	ELTRTA	3M-INSPECTION 115KV TRANSFORMER			4Y-INSPECTION 115KV TRANSFORMER	
31	115KV GIS SWITCHGEAR	ELSWEH				4Y-INSPECTION 115KV GIS SWITCHGEAR	
32	6.9KV TRANSFORMER	ELTRTC	3M-INSPECTION 6.9KV TRANSFORMER			4Y-INSPECTION 6.9KV TRANSFORMER	
33	6.6KV SWITCHGEAR	ELSWMV	1Y-INSPECTION (THERMO SCAN)			4Y-INSPECTION 6.6KV SWITCHGEAR	
34	6.9KV CAPACITOR BANK	ELOHCA	1Y-INSPECTION CAPACITOR BANK			4Y-INSPECTION 6.9KV CAPACITOR BANK	
35	6.6KV DISCONNECTING SWITCH	ELSWMV				4Y-INSPECTION 6.6KV DISCONNECTING SWITC	
36	6.9KV NEUTRAL GROUND RESIST	ELEGNG				4Y-INSPECTION 6.9KV NEUTRAL GROUND RESIS	
37	TR. OIL SAMPLING TEST	ELTRTC/ELTRTA	1Y-TR. OIL SAMPLING TEST				
38	400V LVSW	ELSWLV	1Y-INSPECTION 400V CIRCUIT BREAKER			4Y-INSPECTION 400V LVSW	
39	400V MCC	ELSWMC	1Y-INSPECTION MOTOR CONTROL CENTER		8Y-INSPECTION MOTOR CONTROL CENTER		8Y-INSPECTION 400V MCC
40	400V MDP	ELSWMD				4Y-INSPECTION 400V MDP	
41	400V CAPACITOR BANK	ELOHCA	6M-INSPECTION CAPACITOR BANK			4Y-INSPECTION 400V CAPACITOR BANK	
42	400V CIRCUIT BREAKER	ELSWLV	1Y-INSPECTION 400V CIRCUIT BREAKER			4Y-INSPECTION 400V CIRCUIT BREAKER	
43	SUB DISTRIBUTION PANEL	ELSWSD	1Y- INSPECTION SUB DISTRIBUTION PANEL			4Y-INSPECTION SUB DISTRIBUTION PANEL	
44	LOCAL CONTROL PANEL	ELEPCP	1Y- INSPECTION SUB DISTRIBUTION PANEL			4Y-INSPECTION LOCAL CONTROL PANEL	
45	FEEDER MODULE	ELSWMV				4Y-INSPECTION FEEDER MODULE	
46	INTERPOSING RELAY CABINET	ELEPCP				4Y-INSPECTION INTERPOSING RELAY CABINET	
47	PROTECTIVE RELAY	ELSWMV				4Y-TEST PROTECTIVE RELAY	
48	LV&MV BUS DUCT	ELSWBD					8Y-INSPECTION BUS DUCT
49	MNSis SYSTEM	ELSWMC	1Y-INSPECTION MOTOR CONTROL CENTER		8Y-INSPECTION MOTOR CONTROL CENTER		8Y-INSPECTION MNSis SYSTEM
50	ENMCS MONITOR SCREEN	ELEPCP					
51	ENMCS OPC PANEL	ELEPCP				4Y-INSPECTION ENMCS OPC PANEL	
52	ENMCS PANEL	ELEPCP				4Y-INSPECTION ENMCS PANEL	
53	SCADA SYSTEM	ELEPCP					8Y-INSPECTION ENMCS SYSTEM
54	VSD SYSTEM	ELSWMC			2Y-INSPECTION VSD	4Y-INSPECTION VSD	8Y-INSPECTION VSD
55	FIRE WATER PUMP	ELMTMA	3M-INSPECTION FIRE CONTROL PANEL	1Y-ANNUAL INSPECTION FIRE WATER PUMP			

Monitoring system (External)		
1	Main transformer monitoring	Twice a day
2	MNSis system monitoring	Weekly
3	UPS/DC charger monitoring	Weekly
4	Substation monitoring temp	Daily
5	Thermography scan	Yearly
6	Motor greasing	Depend on operating hour

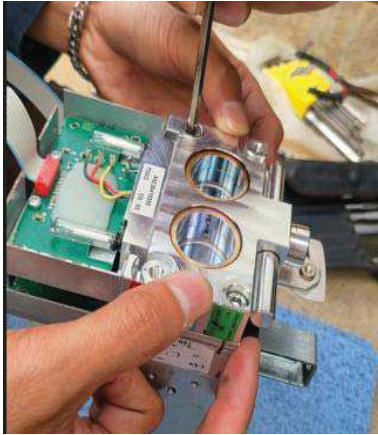
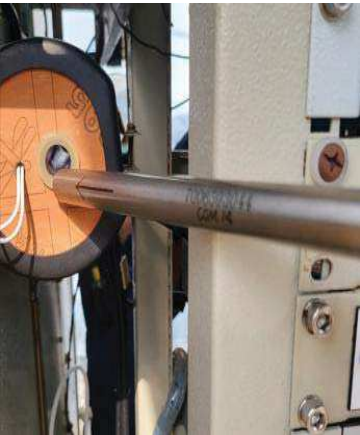
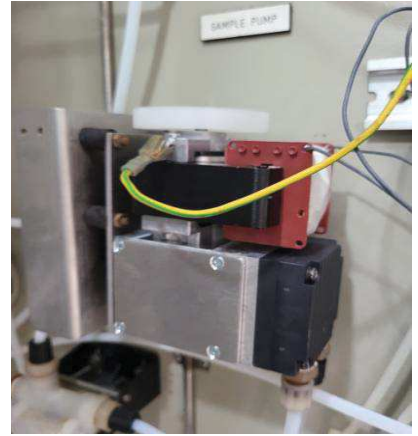
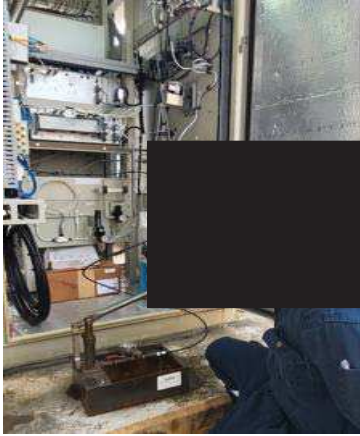
LV&MV MOTOR OVERHAUL BASE ON;

- 1.Motor vibration analysis.
- 2.Some abnormal found during motor pm.
- 3.Time base condition
- 4.OEM Recommend.

ตัวอย่างการบำรุงรักษา CEMS ตามแผน PM

Location	Order	Equipment	Room	Order Type	User Status	Planner Group	Basic Start	Basic finish
CEMs plant SAR	8200107033	FAT-480A	SAR AREA	PM	WC	IE2	15.09.2024	15.09.2024
	8200107752	FAT-480A	SAR AREA	PM	WC	IE2	15.10.2024	15.10.2024
	8200108926	FAT-480A	SAR AREA	PM	AEST	IE2	14.11.2024	14.11.2024
	8200107034	FAT-480B	SAR AREA	PM	WC	IE2	15.09.2024	15.09.2024
	8200107753	FAT-480B	SAR AREA	PM	WC	IE2	15.10.2024	15.10.2024
	8200108927	FAT-480B	SAR AREA	PM	AEST	IE2	14.11.2024	14.11.2024
	8200107035	FAT-480C	SAR AREA	PM	WC	IE2	15.09.2024	15.09.2024
	8200107754	FAT-480C	SAR AREA	PM	WC	IE2	15.10.2024	15.10.2024
	8200108928	FAT-480C	SAR AREA	PM	AEST	IE2	14.11.2024	14.11.2024
CEMs plant WWI	8200107042	WAT-9131	WWI AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107758	WAT-9131	WWI AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108929	WAT-9131	WWI AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107043	WAT-9132	WWI AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107759	WAT-9132	WWI AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108930	WAT-9132	WWI AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107044	WCOT-913	WWI AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107760	WCOT-913	WWI AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108931	WCOT-913	WWI AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107045	WO2T-913	WWI AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107761	WO2T-913	WWI AREA	PM	WC	IE1	15.10.2024	15.10.2024

Location	Order	Equipment	Room	Order Type	User Status	Planner Group	Basic Start	Basic finish
CEMs plant WWI	8200108932	WO2T-913	WWI AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107046	WTSPT-913	WWI AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107762	WTSPT-913	WWI AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108933	WTSPT-913	WWI AREA	PM	AEST	IE1	14.11.2024	14.11.2024
CEMs plant AOG	8200106997	GAT-9131	AOG AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107731	GAT-9131	AOG AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108912	GAT-9131	AOG AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200106998	GAT-9132	AOG AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107732	GAT-9132	AOG AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108913	GAT-9132	AOG AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200106999	GCOT-913	AOG AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107733	GCOT-913	AOG AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108914	GCOT-913	AOG AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107002	GO2T-913	AOG AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107735	GO2T-913	AOG AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108916	GO2T-913	AOG AREA	PM	AEST	IE1	14.11.2024	14.11.2024
	8200107003	GTSPT-913	AOG AREA	PM	WC	IE1	15.09.2024	15.09.2024
	8200107736	GTSPT-913	AOG AREA	PM	WC	IE1	15.10.2024	15.10.2024
	8200108917	GTSPT-913	AOG AREA	PM	AEST	IE1	14.11.2024	14.11.2024



Inspection Report Low Voltage Motor

EQUIPMENT NO.: CP-150 UNIT NO.: 6000 LOCATION: AMS
 RATED POWER: 15 kW RATED VOLTAGE: 380 V RATED CURRENT: 27.5 A
 RATED PF: 0.91 RATED EFFICIENCY - % AMB. TEMP: - °C
 HAZARDOUS AREA: Zone 2 OPERATING HOUR: 34 h.
 RECORDED BY: Pongpol H. DATE: 21/8/24

- CAUTION !**
1. HOT WORK MAY BE REQUIRED DEPEND ON AREA AND EQUIPMENT USED.
 2. MOTOR NOT OPERATION AND ISOLATE STARTING UNIT.

AT THE MOTOR AND LCS

1. Damage or corrosion to motor, LCS ☒ OK
2. Build up of dirt or debris which may impair motor cooling ☒ OK
3. Coupling guards, fan cowl, holding-down bolts in good condition ☒ OK
4. Mechanical damage or chemical spillage to cables ☒ OK
5. Cable supports, cable glands in a satisfactory condition ☒ OK
6. Proof-type of terminal box maintained no appearance damage to gasket ☒ OK
7. Earth connection tight and free from corrosion ☒ OK
8. Cleaning, touch-up paint and tighten the loose parts ☒ OK
9. Open terminal box and fan cover and tighten the loose parts, cleaning ☒ OK
10. Checking LCS in good condition ☒ OK
11. Repaint where necessary ☒ OK
12. Replace gasket and sealing silicon at motor terminal box and LCS ☒ OK
13. Visual inspection, clean and tighten Mstart/Mcontrol/RTD(if any) ☒ OK
14. Put electrical compound at contact grip at incoming/outgoing side ☒ OK
15. Start & Stop by function test ☒ OK
16. Insulation resistance test by 500 VDC with 1 min > 550 ☒ Mhom
17. Winding resistance of PTC at MCC N/A Ohm and resistance at motor N/A Ohm
18. Measurement contact resistance in LCS: NC 0.4 Ohm, NO 0.6 Ohm ☒ Normal, ☐ replaced

This Contact switch will be replaced if it's higher than critical acceptance (NC: Acceptable 0.1–0.8 Ohm)

AT MCC OR LCP

1. USE DRY AIR TO CLEANING INNER STARTER OR FEEDER UNIT _____ ☒ OK
2. AT MAGNETIC CONTACTOR, CHECK ARC CHUTE AND MAIN CONTACT, AND CLEANING _____ ☒ OK
3. MAIN CONTACT REPLACEMENT IS REQUIRED _____ ☐ YES _____ ☒ NO
4. TIGHTEN BOLT/NUT FOR INTERNAL PARTS INSIDE STARTER/ FEEDER UNIT _____ ☒ OK
5. TIGHTEN BOLT/NUT FOR BEAKERS AND LOAD BREAK SWITCH _____ ☒ OK
6. CHECK POWER CABLE AND GROUND WIRE CONNECTION AT MCC OR LCP ARE TIGHT _____ ☒ OK
7. CHECK AND APPLY GREASE FOR SLIDING CONTACT, IF NECESSARY _____ ☒ OK
8. CHECK MECHANICAL INTERLOCKING FOR STARTER OR FEEDER UNIT
 - a. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "PAD LOCK" POS_ON _____ ☒ OK
 - b. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "MAIN SWITCH ON" POS_ON _____ ☒ OK
9. CHECK OPERATION FUNCTION BY SELECTE MAIN SWITCH AT "TEST" POS_ON
 - a. COMMAND VIA LOCAL STATION BY MVIEW (BUS LOCAL) _____ ☒ OK
 - i. LCP (PUSH BOTTON) ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP/ OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - b. COMMAND VIA REMOTE STATION BY LCS (SOFT LOCAL) _____ ☒ OK
 - i. DCS ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP / OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - c. OVERLOAD PROTECTION TEST (BY SIMULATE MOTOR OVERLOAD)
 - i. TRIP ☐ OK
 - ii. RESET ☐ OK
 - iii. CAN NOT TEST ☒
 - d. AUTO RESTART TEST (BY SIMULATE POWER SUPPLY CONTROL VOLTGE DROP > 70% AND >2SEC) AUTO RE-START WITHIN SETTING TIME GROUP
 - i. ☐ OK
 - ii. CAN NOT TEST ☒
10. CONFIRM MAINTENANCE FUNCTION "CONTACT TEMPERATURE UNBALANCE"
 - i. ☒ DISABLE "TRIP"
 - ii. ☐ ENABLE "TRIP"
11. RESTORATION POWER SUPPLY UNIT AND ETC. OR REPAIR ANY WHERE OF NECESSARY: _____ ☒ OK

CAUTION !

1. The works must be performed under equipment shutdown.
2. Hot work permit may be required depend on Hazardous Area and instruments/tools used.
3. All electrical parts must be isolated and voltage free.

REMARK:

VERIFIED BY

(SECTION HEAD)

21 / 8 / 24

Inspection Report Low Voltage Motor

EQUIPMENT NO.: FC-164A UNIT NO.: 6500 LOCATION: SAR
 RATED POWER: 6.5 kW RATED VOLTAGE: 380 V RATED CURRENT: 11.2 A
 RATED PF: 0.92 RATED EFFICIENCY - % AMB. TEMP: - °C
 HAZARDOUS AREA: Zone 2 OPERATING HOUR: A274
 RECORDED BY: Nattapong P. DATE: 22/8/24

CAUTION !

1. HOT WORK MAY BE REQUIRED DEPEND ON AREA AND EQUIPMENT USED.
2. MOTOR NOT OPERATION AND ISOLATE STARTING UNIT.

AT THE MOTOR AND LCS

1. Damage or corrosion to motor, LCS ☒ OK
2. Build up of dirt or debris which may impair motor cooling ☒ OK
3. Coupling guards, fan cowl, holding-down bolts in good condition ☒ OK
4. Mechanical damage or chemical spillage to cables ☒ OK
5. Cable supports, cable glands in a satisfactory condition ☒ OK
6. Proof-type of terminal box maintained no appearance damage to gasket ☒ OK
7. Earth connection tight and free from corrosion ☒ OK
8. Cleaning, touch-up paint and tighten the loose parts ☒ OK
9. Open terminal box and fan cover and tighten the loose parts, cleaning ☒ OK
10. Checking LCS in good condition ☒ OK
11. Repaint where necessary ☒ OK
12. Replace gasket and sealing silicon at motor terminal box and LCS ☒ OK
13. Visual inspection, clean and tighten Mstart/Mcontrol/RTD(if any) ☒ OK
14. Put electrical compound at contact grip at incoming/outgoing side ☒ OK
15. Start & Stop by function test ☒ OK
16. Insulation resistance test by 500 VDC with 1 min 7550 [] Mhom
17. Winding resistance of PTC at MCC N/A Ohm and resistance at motor N/A Ohm
18. Measurement contact resistance in LCS: NC 0.5 Ohm, NO 0.5 Ohm ☒ Normal, [] replaced

This Contact switch will be replaced if it's higher than criterial acceptance (NC: Acceptable 0.1–0.8 Ohm)

AT MCC OR LCP

1. USE DRY AIR TO CLEANING INNER STARTER OR FEEDER UNIT _____ [✓] OK
2. AT MAGNETIC CONTACTOR, CHECK ARC CHUTE AND MAIN CONTACT, AND CLEANING _____ [✓] OK
3. MAIN CONTACT REPLACEMENT IS REQUIRED _____ [] YES _____ [✓] NO
4. TIGHTEN BOLT/NUT FOR INTERNAL PARTS INSIDE STARTER/ FEEDER UNIT _____ [✓] OK
5. TIGHTEN BOLT/NUT FOR BEAKERS AND LOAD BREAK SWITCH _____ [✓] OK
6. CHECK POWER CABLE AND GROUND WIRE CONNECTION AT MCC OR LCP ARE TIGHT _____ [✓] OK
7. CHECK AND APPLY GREASE FOR SLIDING CONTACT, IF NECESSARY _____ [✓] OK
8. CHECK MECHANICAL INTERLOCKING FOR STARTER OR FEEDER UNIT
 - a. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "PAD LOCK" POS_ON _____ [✓] OK
 - b. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "MAIN SWITCH ON" POS_ON _____ [✓] OK
9. CHECK OPERATION FUNCTION BY SELECTE MAIN SWITCH AT "TEST" POS_ON
 - a. COMMAND VIA LOCAL STATION BY MVIEW (BUS LOCAL) _____ [✓] OK
 - i. LCP (PUSH BOTTON) [] OK
 - ii. START/ ON [✓] OK
 - iii. STOP/ OFF [✓] OK
 - iv. CAN NOT TEST []
 - b. COMMAND VIA REMOTE STATION BY LCS (SOFT LOCAL) _____ [✓] OK
 - i. DCS [] OK
 - ii. START/ ON [✓] OK
 - iii. STOP / OFF [✓] OK
 - iv. CAN NOT TEST []
 - c. OVERLOAD PROTECTION TEST (BY SIMULATE MOTOR OVERLOAD)
 - i. TRIP [] OK
 - ii. RESET [] OK
 - iii. CAN NOT TEST [✓]
 - d. AUTO RESTART TEST (BY SIMULATE POWER SUPPLY CONTROL VOLTGE DROP > 70% AND >2SEC) AUTO RE-START WITHIN SETTING TIME GROUP
 - i. [] OK
 - ii. CAN NOT TEST [✓]
10. CONFIRM MAINTENANCE FUNCTION "CONTACT TEMPERATURE UNBALANCE"
 - i. [✓] DISABLE "TRIP"
 - ii. [] ENABLE "TRIP"
11. RESTORATION POWER SUPPLY UNIT AND ETC. OR REPAIR ANY WHERE OF NECESSARY: _____ [✓] OK

CAUTION !

1. The works must be performed under equipment shutdown.
2. Hot work permit may be required depend on Hazardous Area and instruments/tools used.
3. All electrical parts must be isolated and voltage free.

REMARK:

VERIFIED BY _____

(SECTION HEAD)

23 / 8 / 24



Inspection Report Low Voltage Motor

EQUIPMENT NO.: FC-181 UNIT NO.: 6500 LOCATION: SAR
RATED POWER: 37.9 kW RATED VOLTAGE: 380 V RATED CURRENT: 68.7 A
RATED PF: - RATED EFFICIENCY 93 % AMB. TEMP: 40 °C
HAZARDOUS AREA: Zone 2 OPERATING HOUR: 207
RECORDED BY: Natthapong P. DATE: 22/8/24

- CAUTION !**
1. HOT WORK MAY BE REQUIRED DEPEND ON AREA AND EQUIPMENT USED.
 2. MOTOR NOT OPERATION AND ISOLATE STARTING UNIT.

AT THE MOTOR AND LCS

1. Damage or corrosion to motor, LCS _____ [-] OK
 2. Build up of dirt or debris which may impair motor cooling _____ [-] OK
 3. Coupling guards, fan cowl, holding-down bolts in good condition _____ [-] OK
 4. Mechanical damage or chemical spillage to cables _____ [-] OK
 5. Cable supports, cable glands in a satisfactory condition _____ [-] OK
 6. Proof-type of terminal box maintained no appearance damage to gasket _____ [-] OK
 7. Earth connection tight and free from corrosion _____ [-] OK
 8. Cleaning, touch-up paint and tighten the loose parts _____ [-] OK
 9. Open terminal box and fan cover and tighten the loose parts, cleaning _____ [-] OK
 10. Checking LCS in good condition _____ [-] OK
 11. Repaint where necessary _____ [-] OK
 12. Replace gasket and sealing silicon at motor terminal box and LCS _____ [-] OK
 13. Visual inspection, clean and tighten Mstart/Mcontrol/RTD(if any) _____ [-] OK
 14. Put electrical compound at contact grip at incoming/outgoing side _____ [-] OK
 15. Start & Stop by function test _____ [-] OK
 16. Insulation resistance test by 500 VDC with 1 min _____ 7550 [✓] Mhom
 17. Winding resistance of PTC at MCC N/A Ohm and resistance at motor N/A Ohm
 18. Measurement contact resistance in LCS: NC N/A Ohm, NO N/A Ohm [] Normal, N/A [] replaced
- This Contact switch will be replaced if it's higher than critical acceptance (NC: Acceptable 0.1–0.8 Ohm)

AT MCC OR LCP

1. USE DRY AIR TO CLEANING INNER STARTER OR FEEDER UNIT _____ [✓] OK
2. AT MAGNETIC CONTACTOR, CHECK ARC CHUTE AND MAIN CONTACT, AND CLEANING _____ [✓] OK
3. MAIN CONTACT REPLACEMENT IS REQUIRED _____ [-] YES _____ [✓] NO
4. TIGHTEN BOLT/NUT FOR INTERNAL PARTS INSIDE STARTER/ FEEDER UNIT _____ [✓] OK
5. TIGHTEN BOLT/NUT FOR BEAKERS AND LOAD BREAK SWITCH _____ [✓] OK
6. CHECK POWER CABLE AND GROUND WIRE CONNECTION AT MCC OR LCP ARE TIGHT _____ [✓] OK
7. CHECK AND APPLY GREASE FOR SLIDING CONTACT, IF NECESSARY _____ [✓] OK
8. CHECK MECHANICAL INTERLOCKING FOR STARTER OR FEEDER UNIT
 - a. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "PAD LOCK" POS_ON _____ [✓] OK
 - b. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "MAIN SWITCH ON" POS_ON _____ [✓] OK
9. CHECK OPERATION FUNCTION BY SELECTE MAIN SWITCH AT "TEST" POS_ON
 - a. COMMAND VIA LOCAL STATION BY MVIEW (BUS LOCAL) _____ [-] OK
 - i. LCP (PUSH BOTTON) [] OK
 - ii. START/ ON [-] OK
 - iii. STOP/ OFF [-] OK
 - iv. CAN NOT TEST [-]
 - b. COMMAND VIA REMOTE STATION BY LCS (SOFT LOCAL) _____ [-] OK
 - i. DCS [-] OK
 - ii. START/ ON [-] OK
 - iii. STOP / OFF [-] OK
 - iv. CAN NOT TEST []
 - c. OVERLOAD PROTECTION TEST (BY SIMULATE MOTOR OVERLOAD)
 - i. TRIP [-] OK
 - ii. RESET [-] OK
 - iii. CAN NOT TEST [-]
 - d. AUTO RESTART TEST (BY SIMULATE POWER SUPPLY CONTROL VOLTGE DROP > 70% AND >2SEC) AUTO RE-START WITHIN SETTING TIME GROUP
 - i. [-] OK
 - ii. CAN NOT TEST [-]
10. CONFIRM MAINTENANCE FUNCTION "CONTACT TEMPERATURE UNBALANCE"
 - i. [✓] DISABLE "TRIP"
 - ii. [] ENABLE "TRIP"
11. RESTORATION POWER SUPPLY UNIT AND ETC. OR REPAIR ANY WHERE OF NECESSARY: _____ [✓] OK

CAUTION !

1. The works must be performed under equipment shutdown.
2. Hot work permit may be required depend on Hazardous Area and instruments/tools used.
3. All electrical parts must be isolated and voltage free.

REMARK:

VERIFIED BY _____

(SECTION HEAD)

23/8/24

AT MCC OR LCP

1. USE DRY AIR TO CLEANING INNER STARTER OR FEEDER UNIT _____ ☒ OK
2. AT MAGNETIC CONTACTOR, CHECK ARC CHUTE AND MAIN CONTACT, AND CLEANING _____ ☒ OK
3. MAIN CONTACT REPLACEMENT IS REQUIRED _____ ☐ YES _____ ☒ NO
4. TIGHTEN BOLT/NUT FOR INTERNAL PARTS INSIDE STARTER/ FEEDER UNIT _____ ☒ OK
5. TIGHTEN BOLT/NUT FOR BEAKERS AND LOAD BREAK SWITCH _____ ☒ OK
6. CHECK POWER CABLE AND GROUND WIRE CONNECTION AT MCC OR LCP ARE TIGHT _____ ☒ OK
7. CHECK AND APPLY GREASE FOR SLIDING CONTACT, IF NECESSARY _____ ☒ OK
8. CHECK MECHANICAL INTERLOCKING FOR STARTER OR FEEDER UNIT
 - a. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "PAD LOCK" POS_ON _____ ☒ OK
 - b. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "MAIN SWITCH ON" POS_ON _____ ☒ OK
9. CHECK OPERATION FUNCTION BY SELECTE MAIN SWITCH AT "TEST" POS_ON
 - a. COMMAND VIA LOCAL STATION BY MVIEW (BUS LOCAL) _____ ☒ OK
 - i. LCP (PUSH BOTTON) ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP/ OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - b. COMMAND VAI REMOTE STATION BY LCS (SOFT LOCAL) _____ ☒ OK
 - i. DCS ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP / OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - c. OVERLOAD PROTECTION TEST (BY SIMULATE MOTOR OVERLOAD)
 - i. TRIP ☐ OK
 - ii. RESET ☐ OK
 - iii. CAN NOT TEST ☒
 - d. AUTO RESTART TEST (BY SIMULATE POWER SUPPLY CONTROL VOLTGE DROP > 70% AND >2SEC) AUTO RE-START WITHIN SETTING TIME GROUP
 - i. ☐ OK
 - ii. CAN NOT TEST ☒
10. CONFIRM MAINTENANCE FUNCTION "CONTACT TEMPERATURE UNBALANCE"
 - i. ☒ DISABLE "TRIP"
 - ii. ☐ ENABLE "TRIP"
11. RESTORATION POWER SUPPLY UNIT AND ETC. OR REPAIR ANY WHERE OF NECESSARY: _____ ☒ OK

CAUTION !

1. The works must be performed under equipment shutdown.
2. Hot work permit may be required depend on Hazardous Area and instruments/tools used.
3. All electrical parts must be isolated and voltage free.

REMARK:

VERIFIED BY

(SECTION HEAD)

23 / 8 / 24

Inspection Report Low Voltage Motor

EQUIPMENT NO.: HP-312A UNIT NO.: 2000 LOCATION: ACH
 RATED POWER: 5.5 kW RATED VOLTAGE: 380 V RATED CURRENT: 12.9 A
 RATED PF: 0.82 RATED EFFICIENCY - % AMB. TEMP: - °C
 HAZARDOUS AREA: Zone 2 OPERATING HOUR: 65544 h,
 RECORDED BY: Pangpol H. DATE: 23/8/24

CAUTION !

1. HOT WORK MAY BE REQUIRED DEPEND ON AREA AND EQUIPMENT USED.
2. MOTOR NOT OPERATION AND ISOLATE STARTING UNIT.

AT THE MOTOR AND LCS

1. Damage or corrosion to motor, LCS ☒ OK
 2. Build up of dirt or debris which may impair motor cooling ☒ OK
 3. Coupling guards, fan cowl, holding-down bolts in good condition ☒ OK
 4. Mechanical damage or chemical spillage to cables ☒ OK
 5. Cable supports, cable glands in a satisfactory condition ☒ OK
 6. Proof-type of terminal box maintained no appearance damage to gasket ☒ OK
 7. Earth connection tight and free from corrosion ☒ OK
 8. Cleaning, touch-up paint and tighten the loose parts ☒ OK
 9. Open terminal box and fan cover and tighten the loose parts, cleaning ☒ OK
 10. Checking LCS in good condition ☒ OK
 11. Repaint where necessary ☒ OK
 12. Replace gasket and sealing silicon at motor terminal box and LCS ☒ OK
 13. Visual inspection, clean and tighten Mstart/Mcontrol/RTD(if any) ☒ OK
 14. Put electrical compound at contact grip at incoming/outgoing side ☒ OK
 15. Start & Stop by function test ☒ OK
 16. Insulation resistance test by 500 VDC with 1 min > 550 ☒ Mhom
 17. Winding resistance of PTC at MCC 118.2 Ohm and resistance at motor 112.3 Ohm
 18. Measurement contact resistance in LCS: NC 0.5 Ohm, NO 0.7 Ohm ☒ Normal, ☐ replaced
- This Contact switch will be replaced if it's higher than critical acceptance (NC: Acceptable 0.1–0.8 Ohm)

AT MCC OR LCP

1. USE DRY AIR TO CLEANING INNER STARTER OR FEEDER UNIT _____ ☒ OK
2. AT MAGNETIC CONTACTOR, CHECK ARC CHUTE AND MAIN CONTACT, AND CLEANING _____ ☒ OK
3. MAIN CONTACT REPLACEMENT IS REQUIRED _____ ☐ YES _____ ☒ NO
4. TIGHTEN BOLT/NUT FOR INTERNAL PARTS INSIDE STARTER/ FEEDER UNIT _____ ☒ OK
5. TIGHTEN BOLT/NUT FOR BEAKERS AND LOAD BREAK SWITCH _____ ☒ OK
6. CHECK POWER CABLE AND GROUND WIRE CONNECTION AT MCC OR LCP ARE TIGHT _____ ☒ OK
7. CHECK AND APPLY GREASE FOR SLIDING CONTACT, IF NECESSARY _____ ☒ OK
8. CHECK MECHANICAL INTERLOCKING FOR STARTER OR FEEDER UNIT
 - a. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "PAD LOCK" POS_ON _____ ☒ OK
 - b. STARTER UNIT SHALL BE NOT ABLE TO MOVE WHEN "MAIN SWITCH ON" POS_ON _____ ☒ OK
9. CHECK OPERATION FUNCTION BY SELECTE MAIN SWITCH AT "TEST" POS_ON
 - a. COMMAND VIA LOCAL STATION BY MVIEW (BUS LOCAL) _____ ☒ OK
 - i. LCP (PUSH BOTTON) ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP/ OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - b. COMMAND VIA REMOTE STATION BY LCS (SOFT LOCAL) _____ ☒ OK
 - i. DCS ☒ OK
 - ii. START/ ON ☒ OK
 - iii. STOP / OFF ☒ OK
 - iv. CAN NOT TEST ☐
 - c. OVERLOAD PROTECTION TEST (BY SIMULATE MOTOR OVERLOAD)
 - i. TRIP ☐ OK
 - ii. RESET ☐ OK
 - iii. CAN NOT TEST ☒
 - d. AUTO RESTART TEST (BY SIMULATE POWER SUPPLY CONTROL VOLTGE DROP > 70% AND >2SEC) AUTO RE-START WITHIN SETTING TIME GROUP
 - i. ☐ OK
 - ii. CAN NOT TEST ☒
10. CONFIRM MAINTENANCE FUNCTION "CONTACT TEMPERATURE UNBALANCE"
 - i. ☒ DISABLE "TRIP"
 - ii. ☐ ENABLE "TRIP"
11. RESTORATION POWER SUPPLY UNIT AND ETC. OR REPAIR ANY WHERE OF NECESSARY: _____ ☒ OK

- CAUTION !**
1. The works must be performed under equipment shutdown.
 2. Hot work permit may be required depend on Hazardous Area and instruments/tools used.
 3. All electrical parts must be isolated and voltage free.

REMARK: _____


VERIFIED BY

(SECTION HEAD)
23 / 8 / 24

แผน PM ระบบบำบัดน้ำเสีย RO-BIO

Order	Equipment	Room	User Status	Planner Group	Basic Start	Basic finish
8200107004	SAT-112	WWI-4100	WC	IE1	14.09.2024	14.09.2024
8200108918	SAT-112	WWI-4100	AEST	IE1	13.11.2024	13.11.2024
8200107871	SAT-9122	ROBIO	WC	IE1	22.10.2024	22.10.2024
8200107006	SAT-9123	ROBIO	WC	IE1	14.09.2024	14.09.2024
8200108920	SAT-9123	ROBIO	AEST	IE1	13.11.2024	13.11.2024
8200107005	SAT-9121	ROBIO	WC	IE1	14.09.2024	14.09.2024
8200108919	SAT-9121	ROBIO	AEST	IE1	13.11.2024	13.11.2024
8200107867	SAT-9011	ROBIO	WC	IE1	21.10.2024	21.10.2024
8200107868	SAT-9012	ROBIO	WC	IE1	21.10.2024	21.10.2024
8200107869	SAT-9021	ROBIO	WC	IE1	21.10.2024	21.10.2024
8200107870	SAT-9022	ROBIO	WC	IE1	21.10.2024	21.10.2024

ตัวอย่างการตรวจสอบอุปกรณ์ตรวจวัดในระบบบำบัดน้ำเสีย (Internal Check)

 PTT Asahi Chemical Co., Ltd.	TEST AND CALIBRATION REPORT FOR TN ANALYZER	Mo. No.: _____ Page No.: _____
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #e1f5fe;">Analyzer details</th> </tr> <tr><td>Tag Name</td><td>SAT-112</td></tr> <tr><td>Measurement</td><td>TN</td></tr> <tr><td>Input Range</td><td>0 ~ 1000 mg/L</td></tr> <tr><td>Output Range</td><td>4-20 mA</td></tr> <tr><td>Manufacturer</td><td>Yanaco</td></tr> <tr><td>Model</td><td>TN-504</td></tr> <tr><td>Serial Number</td><td>0985004</td></tr> <tr><td>Error Allowable</td><td>-</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #e1f5fe;">Test Instrument</th> </tr> <tr><td>Test Inst. Name</td><td>1000 ppm</td></tr> <tr><td>Description</td><td>-</td></tr> <tr><td>Calibrate Date</td><td>17/09/2024</td></tr> <tr><td>Expire Date</td><td>17/03/2025</td></tr> </table>	Analyzer details		Tag Name	SAT-112	Measurement	TN	Input Range	0 ~ 1000 mg/L	Output Range	4-20 mA	Manufacturer	Yanaco	Model	TN-504	Serial Number	0985004	Error Allowable	-	Test Instrument		Test Inst. Name	1000 ppm	Description	-	Calibrate Date	17/09/2024	Expire Date	17/03/2025	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3" style="background-color: #e1f5fe;">Standard No.1 (Half)</th> </tr> <tr><td>Std. Gas name</td><td>TN</td><td>1000 ppm</td></tr> <tr><td>Cylinder No.</td><td colspan="2">-</td></tr> <tr><td>Certification No.</td><td colspan="2">-</td></tr> <tr><td>Certificate date</td><td colspan="2">17/09/2024</td></tr> <tr><td>Expiration date</td><td colspan="2">17/03/2025</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3" style="background-color: #e1f5fe;">Standard No.2 (Span)</th> </tr> <tr><td>Std. Gas name</td><td>TN</td><td>ppm</td></tr> <tr><td>Cylinder No.</td><td colspan="2">-</td></tr> <tr><td>Certification No.</td><td colspan="2">-</td></tr> <tr><td>Certificate date</td><td colspan="2">-</td></tr> <tr><td>Expiration date</td><td colspan="2">-</td></tr> </table>	Standard No.1 (Half)			Std. Gas name	TN	1000 ppm	Cylinder No.	-		Certification No.	-		Certificate date	17/09/2024		Expiration date	17/03/2025		Standard No.2 (Span)			Std. Gas name	TN	ppm	Cylinder No.	-		Certification No.	-		Certificate date	-		Expiration date	-	
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As Found and Calibration								
Standard Solution Applied			As Found			As Calibrated		
Std. Gas	Certify ppm	Output mA	Analy ppm	Output mA	Error (+/- % of RD)	Analy ppm	Output mA	Error (+/- % of RD)
Zero	0	4	3.827	4.06	0.38	0.00	4.00	0.00
Half	-	-	-	-	-	-	-	-
Span	1000	20	988	1980	-1.20	1000	20.00	0.00
N-Zero	Zero Voltage (mV)		1.22		V	1.52		V
N-Half	1/2 Span Voltage (mV)		-		%	-		%
N-Span	Span Voltage (mV)		1.63		V	1.98		V

Note:

- Test standard and calibrate.

Reported by: [REDACTED]

Date: 14/09/2024



PTT Asahi Chemical Co., Ltd.

TEST AND CALIBRATION REPORT
FOR
COD ANALYZER

Mo. No.: _____

Page No.: _____

Analyzer details	
Tag Name	SAT-9122
Measurement	COD
Input Range	0 ~ 100 mg/L
Output Range	4 ~ 20 mA
Manufacturer	TDA 200
Model	670205
Serial Number	-
Error Allowable	-

Test instrument	
Test Inst. Name	100 ppm
Description	-
Calibrate Date	17/03/2024
Expire Date	17/03/2025

Standard No.1 (Span1)		
Std. Gas name	COD	100 ppm
Cylinder No.	-	
Certification No.	-	
Certificate date	17/03/2024	
Expiration date	17/03/2025	

Standard No.2 (Span2)		
Std. Gas name	COD	ppm
Cylinder No.		
Certification No.		
Certificate date		
Expiration date		

As Found and Calibration								
Standard Solution Applied			As Found			As Calibrated		
Std. Gas	Certify ppm	Output mA	Analy ppm	Output mA	Error (+/-5% of RD)	Analy ppm	Output mA	Error (+/-5% of RD)
Zero (Blank)	0	4	4.97	4.39	4.97	0	4.00	0.00
Span1	100	12	95.73	116.5	4.27	100	12.00	0.00
Span2								

Note:

- Clean line sample.
- Test standard and calibrate.

Reported by: _____

Date: 22/10/2024

ตัวอย่างการตรวจสอบ GAS Detector

GAS DETECTOR CALIBRATION RECORD



Report No. : SVR2405-163
 Customer Name : PTT Asahi Chemical Co.,Ltd
 Plant : Area gas detector
 Calibration By : Panuwat Yodsing

Replacement sensor : N/A

Note : Refer to Manufacturing's standard calibration procedure stated in the manual, gas reading must be adjusted to the applied standard gas concentration for the final state of calibration procedure.

Standard Equipment

Standard Span Gas : HCN bal. N2
 Standard Span Gas :
 Standard Span Gas :

Lot No. : 302-403033288
 Lot No. :
 Lot No. :

Packing List No. : 1130157556
 Packing List No. :
 Packing List No. :

Expired Date : November 14, 2025
 Expired Date :
 Expired Date :

Review by Akekapon N	
Approved by Akekapon N	
Sign	

Item	Tag No	Model	Area	Detected Gas	Measuring Range	Standard Gas	Zero			Span			Alarm Test				Sample pump	Cal. Date	Remark
							Setpoint	Asfound	After	Setpoint	Asfound	After	Alarm Low	Test (Y/N)	Alarm High	Test (Y/N)			
61	HHCN-009	Polytron S100	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	11.0	10.0	5		10		✓	26-Sep-24	
62	HHCN-010	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.6	10.0	5		10		✓	26-Sep-24	
63	HHCN-016	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.8	10.0	5		10		✓	26-Sep-24	
64	HHCN-017	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.3	10.0	5		10		✓	26-Sep-24	
65	HHCN-020	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.3	10.0	5		10		✓	26-Sep-24	
66	HHCN-021	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	11.2	10.0	5		10		✓	26-Sep-24	
67	HHCN-024	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.4	10.0	5		10		✓	26-Sep-24	
68	HHCN-025	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.5	10.0	5		10		✓	26-Sep-24	
69	HHCN-026	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.3	10.0	5		10		✓	26-Sep-24	
70	HHCN-027	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.9	10.0	5		10		✓	26-Sep-24	
71	HHCN-028	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.3	10.0	5		10		✓	26-Sep-24	Display burn
72	HHCN-029	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.0	10.0	5		10		✓	26-Sep-24	
73	HHCN-030	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.3	10.0	5		10		✓	26-Sep-24	
74	HHCN-031	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.5	10.0	5		10		✓	26-Sep-24	
75	HHCN-032	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.7	10.0	5		10		✓	26-Sep-24	
76	HHCN-033	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	8.6	10.0	5		10		✓	26-Sep-24	
77	HHCN-034	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.5	10.0	5		10		✓	26-Sep-24	
78	HHCN-035	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	10.0	10.0	5		10		✓	26-Sep-24	Display burn
79	HHCN-036	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.8	10.0	5		10		✓	26-Sep-24	
80	HHCN-037	Polytron 2 XP - Tox	2000	HCN	0-30 ppm	HCN / 10PPM	0.0	0.0	0.0	10.0	9.8	10.0	5		10		✓	26-Sep-24	





Vibration Report

Prepared for

**PTT Asahi Chemical Company Limited
Month of May 2024**

By

**Condition Monitoring Service
Plant Inspection Department**





Contents

1. Scope of work 3

2. Executive summary..... 4

 2.1. Vibration measurement and analysis result 4

 2.2. Severity 5

3. Appendix.....7

 Appendix A: Severity of machine

 Appendix A: Full vibration analysis report

Vibration condition monitoring

1. Scope of work

Providing vibration analysis for rotating machine to PTT Asahi Chemical Company Limited. The machine severity shall be identified into 4 stages (A, B, C and D) by ISO 10816 standard. In case of stage C or D the vibration result would be present in full vibration report to the customer.

Severity assessment of vibration condition of rotating machine is classified difference state of acceptance criteria on 4 stages with the meaning as following:

Vibration evaluation zones (Severity)

The four stages are defined as follows:

- **Stage A Good**: The vibration of newly commissioned machines would normally fall within this zone.
- **Stage B Allowable**: Machines with vibration within this zone are normally considered acceptable for unrestricted long-term operation.
- **Stage C Just Tolerable**: Machines with vibration within this zone are normally considered unsatisfactory for long-term continuous operation. Generally, the machine may be operated for a limited period in this condition until a suitable opportunity arises for remedial action.
- **Stage D Not Permissible**: Vibration values within this zone are normally considered to be of sufficient severity to cause damage to the machine.

Reference standard

Standard	Stage A	Stage B	Stage C	Stage D	Unit
ISO-10816 part 3 (Group 3, Rigid)	≤2.3	>2.3 – 4.5	>4.5 – 7.1	>7.1	mm/S RMS
ISO-10816 part 3 (Group 3, Flexible)	≤3.5	>3.5 – 7.1	>7.1 – 11	>11	mm/S RMS

Guide of SKF Vibration Envelope Acceleration Severity

RPM	Stage A	Stage B	Stage C	Stage D	Unit
<500	≤0.5	>0.5 – 1.0	>1.0 – 2.0	>2.0	gE PK-PK
500 & 1000	≤0.75	>0.75 – 2.0	>2.0 – 4.0	>4.0	gE PK-PK
1500 & 3000	≤1.0	>1.0 – 3.8	>3.8 – 10	>10	gE PK-PK

Client Name



Inspection Date



PIPING INSPECTION RESULT
Addition



VISUAL INSPECTION REPORT
Addition



VISUAL INSPECTION REPORT
Addition



Client Name

Location

Inspection Date

VISUAL INSPECTION REPORT
Addition



Client Name

Location

Inspection Date



VISUAL INSPECTION REPORT
Addition



VISUAL INSPECTION REPORT
Addition



VISUAL INSPECTION REPORT



VISUAL INSPECTION REPORT



Client Name

Addition

Location

Inspection Date

Client Name

Addition

Location

Inspection Date





VISUAL INSPECTION REPORT
Addition



Client Name

Addition

Location

Inspection Date

VISUAL INSPECTION REPORT
Addition

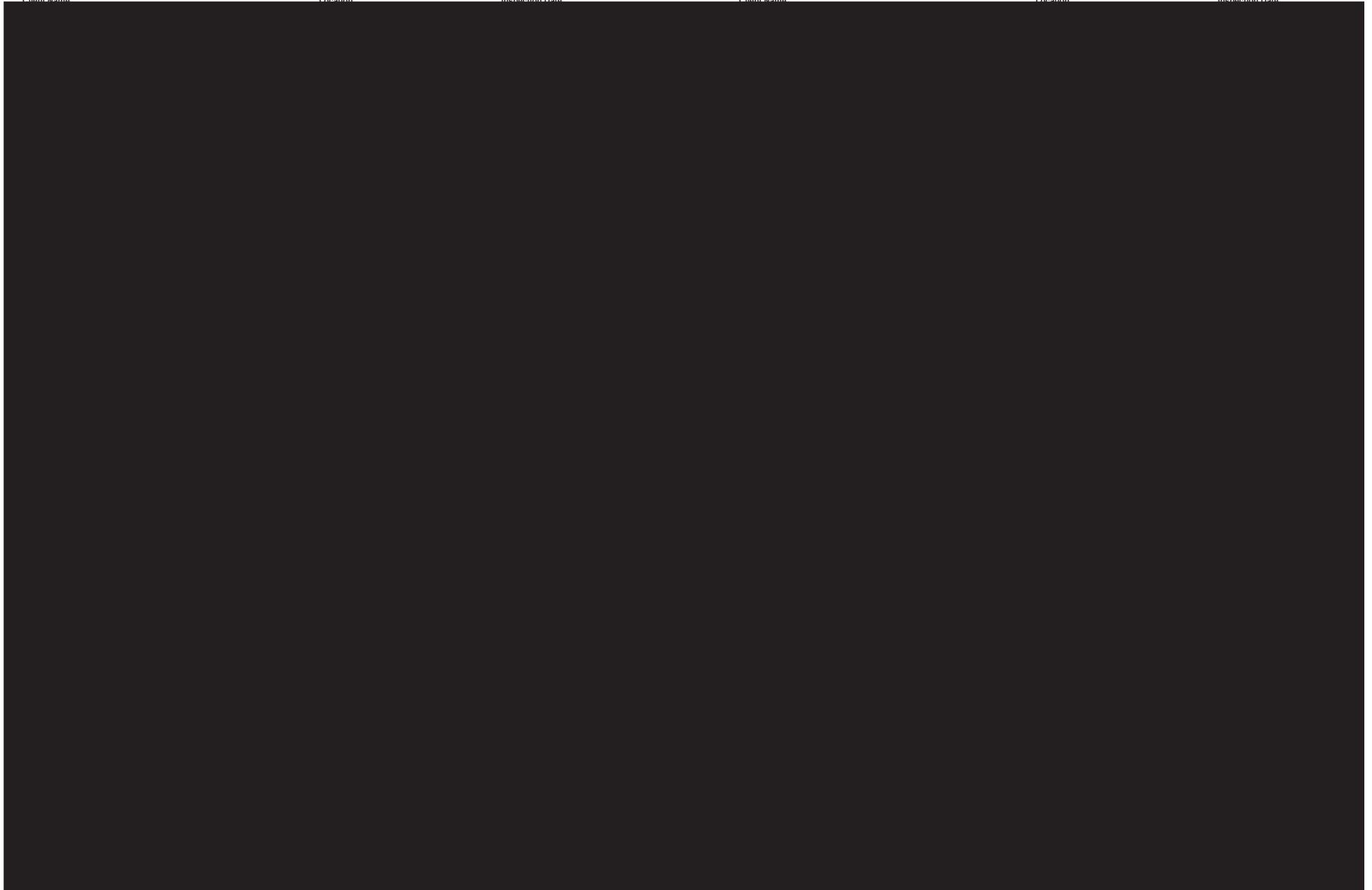


Client Name

Addition

Location

Inspection Date





VISUAL INSPECTION REPORT



VISUAL INSPECTION REPORT



Client Name

Addition

Location

Inspection Date

Client Name

Addition

Location

Inspection Date



VISUAL INSPECTION REPORT
Addition



Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
Addition



Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
Addition



Client Name

Location

Inspection Date

VISUAL INSPECTION REPORT
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Client Name

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VISUAL INSPECTION REPORT
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Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
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Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
Addition

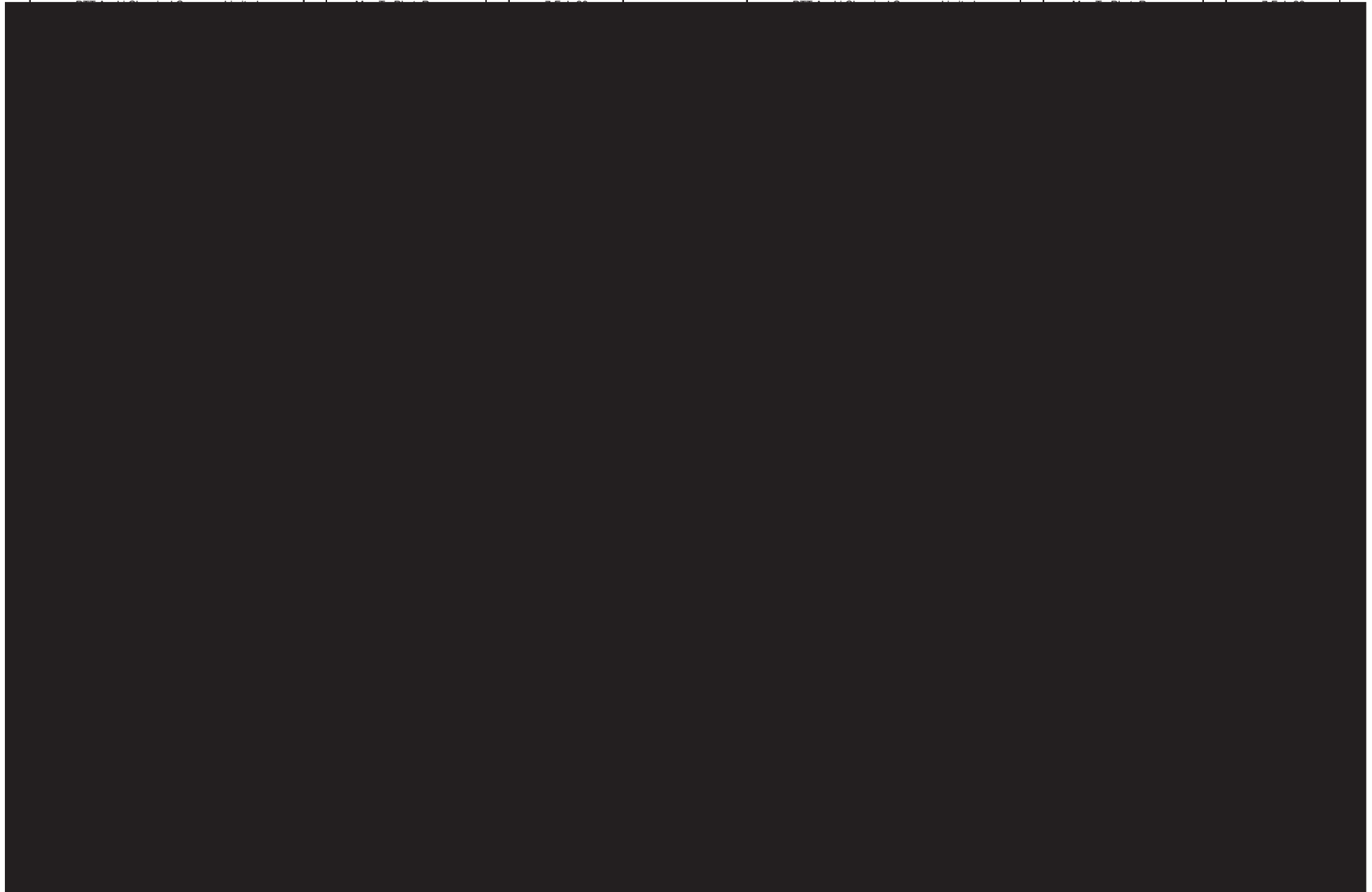


Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
Addition



Client Name	Location	Inspection Date
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VISUAL INSPECTION REPORT
Addition



Client Name

Location

Inspection Date

VISUAL INSPECTION REPORT
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Client Name

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Inspection Date



VISUAL INSPECTION REPORT
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Client Name

Location

Inspection Date

VISUAL INSPECTION REPORT
Addition



Client Name

Location

Inspection Date







VISUAL INSPECTION REPORT
Addition



VISUAL INSPECTION REPORT
Addition



































EASTERN FLUID TRANSPORT CO.,LTD.

บริษัท อีสเทิร์น ฟลูอิด ทรานสปอร์ต จำกัด

2 ถนนเมธิดาใหม่มาบตาพุดสาย 6 ตำบลห้วยโป่ง อำเภอมะขาม จังหวัดระยอง 21150
โทรศัพท์ (038) 687513 - 4 โทรสาร (038) 687512 <https://www.eftmtp.com>



ที่ EFT-117/2567

7 ตุลาคม 2567

เรื่อง นำส่งรายงานการบริหารจัดการและดูแลบำรุงรักษาโครงสร้างสำหรับวางท่อ (Pipe rack) ไตรมาสที่ 3 (กรกฎาคม – กันยายน 2567)

เรียน ผู้จัดการโรงงาน

สิ่งที่ส่งมาด้วย รายงานการบริหารจัดการและดูแลบำรุงรักษาโครงสร้างสำหรับวางท่อ (Pipe rack) ไตรมาสที่ 3 (กรกฎาคม – กันยายน 2567)

บริษัท อีสเทิร์น ฟลูอิด ทรานสปอร์ต จำกัด (EFT) ขอนำส่งรายงานการบริหารจัดการและดูแลบำรุงรักษาโครงสร้างสำหรับวางท่อ (Pipe rack) ไตรมาสที่ 3 (กรกฎาคม – กันยายน 2567) เพื่อทราบและใช้เป็นข้อมูลสำหรับการดำเนินงานในส่วนที่เกี่ยวข้องต่อไป

จึงเรียนมาเพื่อโปรดทราบ

ขอแสดงความนับถือ

(นายพรเทพ ภูมิพัฒน์)

ผู้จัดการทั่วไป

บริษัท อีสเทิร์น ฟลูอิด ทรานสปอร์ต จำกัด

รายงานการบริหารจัดการและดูแลบำรุงรักษาโครงสร้างสำหรับวางท่อ (PIPE RACK)

ไตรมาสที่ 3 (กรกฎาคม - กันยายน 2567)



สารบัญ

1. การติดต่อประสานงานโครงการก่อสร้างวางท่อขนส่งผลิตภัณฑ์ของผู้ประกอบการ	หน้า 3
2. งานซ่อมบำรุงรักษาโครงสร้างสำหรับวางท่อ และกำกับดูแลบริเวณพื้นที่ข้างเคียง	3
2.1 งานซ่อมบำรุงรักษาโครงสร้างสำหรับวางท่อ	3
2.2 งานทำความสะอาดกำจัดวัชพืชบริเวณแนวโครงสร้างสำหรับวางท่อ	4
3. งานด้านความปลอดภัย อาชีวอนามัย และสิ่งแวดล้อมและฝึกอบรม	8
3.1 สถิติการทำงานโดยไม่เกิดอุบัติเหตุถึงขั้นร้ายแรง	8
3.2 รายงานการเกิดเหตุการณ์และอุบัติเหตุบริเวณแนวโครงสร้างสำหรับวางท่อ	8
3.3 การตรวจสอบการรั่วซึมของท่อขนส่งผลิตภัณฑ์	10
3.4 การดำเนินงานมาตรการด้านความปลอดภัยและระงับเหตุฉุกเฉิน	11
3.5 การฝึกซ้อมแผนฉุกเฉินร่วมกับหน่วยงานภายนอก	11
3.6 ให้บริการฝึกอบรมด้านความปลอดภัยสำหรับผู้สนใจภายนอก	12
4. งานให้บริการเบ็ดเสร็จครบวงจร (One Stop Services)	12
5. ประชาสัมพันธ์	13



รายงานการบริหารจัดการและดูแลบำรุงรักษา
โครงสร้างสำหรับวางท่อ (PIPERACK)

ไตรมาสที่ 3
(กรกฎาคม - กันยายน 2567)

1. การติดต่อประสานงานโครงการก่อสร้างวางท่อขนส่งผลิตภัณฑ์ของผู้ประกอบการ

#	สถานะการดำเนินงานของโครงการ	จำนวนโครงการ	เจ้าของโครงการ
1.	ขออนุมัติในหลักการก่อสร้างวางท่อขนส่งผลิตภัณฑ์	9	1) PTT Tank 2 โครงการ 2) TPC 3) GPSC 4) GC 2 โครงการ 5) PTTEP 6) PTT 7) ABCT
2.	จัดเตรียม/ส่งข้อมูลวิศวกรรม, ออกแบบก่อสร้าง และตรวจสอบรายการคำนวณโครงสร้างสำหรับวางท่อ	9	1) PTT Tank 2 โครงการ 2) GC 2 โครงการ 3) GPSC 2 โครงการ 4) ABT 5) TTT 6) BIG
3.	ขออนุญาตก่อสร้างวางท่อขนส่งผลิตภัณฑ์	0	
4.	อยู่ระหว่างการก่อสร้างวางท่อขนส่งผลิตภัณฑ์	6	1) AVT 2 โครงการ 2) BCC 3) PTT 2 โครงการ 4) GEN
5.	ก่อสร้างวางท่อขนส่งผลิตภัณฑ์แล้วเสร็จ	2	1) PTTAC 2) GC

2. งานซ่อมบำรุงรักษาโครงสร้างสำหรับวางท่อ และกำกับดูแลบริเวณพื้นที่ข้างเคียง

2.1) งานซ่อมแซมบำรุงรักษาโครงสร้างสำหรับวางท่อ

#	รายละเอียดของงาน	สถานะของการดำเนินงาน
1.	ทาสีและชั้นนอตยึดแน่น AIE Pipe Bridge : AIE-04	อยู่ระหว่างการดำเนินงาน
2.	ทาสีและชั้นนอตยึดแน่น AIE Pipe Bridge : AIE-05	อยู่ระหว่างการดำเนินงาน
3.	ทาสีและชั้นนอตยึดแน่น AIE Pipe rack : 329 - 390	อยู่ระหว่างการดำเนินงาน
4.	ทาสีและชั้นนอตยึดแน่น GC Pipe Bridge : I2-NPC-BX-1	อยู่ระหว่างการดำเนินงาน
5.	ทาสีและชั้นนอตยึดแน่น GC Pipe Bridge : I2-NPC-BX-2	อยู่ระหว่างการดำเนินงาน
6.	ทาสีและชั้นนอตยึดแน่น GC Pipe rack : Type II	อยู่ระหว่างการดำเนินงาน
7.	ทาสีและชั้นนอตยึดแน่น WHA EPS Box Culvert : 3392-CX-1	อยู่ระหว่างการดำเนินงาน
8.	ทาสีและชั้นนอตยึดแน่น PTT Box Culvert : PTT-CX-1	อยู่ระหว่างการดำเนินงาน
9.	ทาสีและชั้นนอตยึดแน่น GPSC Box Culvert : TCC-CX-1	อยู่ระหว่างการดำเนินงาน
10.	งานปรับปรุง ซ่อมแซม Box Culvert	อยู่ระหว่างการจัดทำ TOR
11.	งานปรับปรุงถนนข้างแนวโครงสร้างสำหรับวางท่อ	อยู่ระหว่างการจัดซื้อ / จัดจ้าง
12.	งานปรับปรุงถนนทางเข้า-ออก คลองซากหมาก	อยู่ระหว่างการจัดทำ TOR



2.2) งานทำความสะอาดและกำจัดวัชพืชบริเวณโครงสร้างสำหรับวางท่อ

#	ภาพก่อนปฏิบัติงาน	ภาพหลังปฏิบัติงาน
พื้นที่ PIPE RACK AIE		
1.		
2.		
3.		
4.		



#	ภาพก่อนปฏิบัติงาน	ภาพหลังปฏิบัติงาน
5.		
6.		
พื้นที่ PIPE RACK WHA EIE		
1.		
2.		



#	ภาพก่อนปฏิบัติงาน	ภาพหลังปฏิบัติงาน
3.		
4.		
พื้นที่ PIPE RACK มาบตาพุด และ PTT ROW.		
1.		
2.		



#	ภาพก่อนปฏิบัติงาน	ภาพหลังปฏิบัติงาน
3.		
4.		
5.		



#	ภาพก่อนปฏิบัติงาน	ภาพหลังปฏิบัติงาน
6.		

3. งานด้านความปลอดภัย อาชีวอนามัยและสิ่งแวดล้อมและฝึกอบรม

- 3.1 สถิติชั่วโมงความปลอดภัยในการทำงานโดยไม่เกิดอุบัติเหตุถึงขั้นหยุดงาน (พนักงาน EFT/ ผู้ประกอบการและบริษัท ผู้รับเหมาที่เข้าทำงานในพื้นที่ Pipe rack) ถึงเดือนมิถุนายน 2567

#	รายละเอียด	เป้าหมาย	จำนวนชั่วโมงทำงาน
1.	- ทำงานโดยไม่เกิดอุบัติเหตุถึงขั้นหยุดงาน Zero Accident (หยุดงานไม่เกิน 1 วัน) เริ่มตั้งแต่วันที่ 1 มีนาคม 2557 ถึงวันที่ 31 ธันวาคม 2568	11,108,749	9,455,808
2.	- ทำงานโดยไม่เกิดอุบัติเหตุถึงขั้นร้ายแรง (หยุดงานไม่เกิน 3 วัน) เริ่มตั้งแต่วันที่ 10 ตุลาคม 2552 ถึงวันที่ 31 ธันวาคม 2568	17,000,000	15,347,059

3.2 รายงานการเกิดเหตุการณ์ผิดปกติและอุบัติเหตุ บริเวณแนวโครงสร้างสำหรับวางท่อ

#	รายละเอียดเหตุการณ์	ภาพประกอบ	สาเหตุ	การแก้ไข
1.	วันที่ 7 กรกฎาคม 2567 เวลา 13.50 น. ตรวจพื้นที่ Box Culvert PTT โครงการ PTTGSP-7/CCB-JV พบสายไฟเครื่องเชื่อมไหม้จากการตรวจสอบเป็นสายไฟที่พ่วงต่อมาจากเครื่องเจินเพื่อใช้งานภายใน Box Culvert เกิดความร้อนและลัดไฟ		ใช้สายไฟฟ้าผิดประเภท	- แจ้งโครงการแก้ไขและทบทวนระเบียบปฏิบัติงาน มาตรการด้านความปลอดภัย
2.	วันที่ 10 กรกฎาคม 2567 เวลา 08.10 น. ตรวจพื้นที่ Pipe rack EPS E-03/131 มีการ Passing ของ Steam trap เสียดังมาก Pipe line 12-SH-383416-C625 (H120) ของ GLOW GE		อุปกรณ์เสื่อมสภาพ	- แจ้งเจ้าของท่อเข้าตรวจสอบ



#	รายละเอียดเหตุการณ์	ภาพประกอบ	สาเหตุ	การแก้ไข
3.	วันที่ 2 สิงหาคม 2567 เวลา 14.00 น. ตรวจสอบพบสาย Sensor ของ ท่อ CHLORINE ของบริษัท AVT ขาด		จุดต่อสายหลวม	- แจ้งบริษัท AVT เจ้าของท่อเข้าทำการตรวจสอบ
4.	วันที่ 10 สิงหาคม 2567 เวลา 15.13 น. ตรวจสอบพบท่อผลิตกันดั้หมายเลข 4-H-019504-B1AH ของบริษัท LINDE HYCO หลุดจาก Guide lock ช่วง Column 399 Rack GC-MPTA ถนน I-2		ยังไม่ทราบสาเหตุที่แน่ชัด	- แจ้ง บริษัท LINDE HYCO เข้าตรวจสอบ
5.	วันที่ 19 สิงหาคม 2567 เวลา 18.00 น. ตรวจสอบแนว Pipe Rack RPL 7B พบว่ามีสายกราวด์ Rack RPL 7B หาย จำนวน 3 เส้น		พื้นที่ทำงานโครงการก่อสร้างวางท่อ	- แจ้งบริษัท RPL เข้าตรวจสอบ
6.	วันที่ 29 สิงหาคม 2567 เวลา 08.45 น. ตรวจพื้นที่ Bridge I8-BX-13 พบ มีสื่ทกลงมาใส่ท่อบริเวณชั้นที่1และชั้นที่2 จำนวน 6 Line มีทั้งหมดดังนี้ 4-BZ-02002-1P1, 6-SOL-1-40001-3P1, 4-BU-1-03002-1P1, 4-MX-L001-B51A, 6-BZ-L001-A51A, 12-NAP-L002-B13A		มีการทำงานของโครงการ PTTGSP-7/CPP-JV	- แจ้งเจ้าหน้าที่บริษัท RPL เข้าตรวจสอบ - แจ้งโครงการซ่อมคืนสภาพ
7.	วันที่ 29 สิงหาคม 2567 เวลา 14.40 น. พบผู้ต้องสงสัย เข้ามาในพื้นที่บริเวณ Pipe rack บริเวณถนน I-2 จึงได้เข้าตรวจสอบ เบื้องต้นควบคุมตัวผู้ต้องสงสัยเป็นชาย 1 คน ตรวจค้นในกระเป๋าพบสายกราวด์ท่อจำนวน 8 เส้น, สายกราวด์ Pipe rack จำนวน 5 เส้น และสายกราวด์เครื่อง Generator โครงการ PTT CPP หาย 2 เส้น		เข้ามาลักทรัพย์ในพื้นที่	- แจ้งเจ้าของทรัพย์สินรับทราบและตรวจสอบที่เกิดเหตุ - แจ้งเจ้าหน้าที่ตำรวจ สกต. มาตามาดำเนินการตรวจสอบที่เกิดเหตุและควบคุมตัวผู้ต้องสงสัยไปลงบันทึกประจำวันที่ สกต. มาตามาดำเนินการ



#	รายละเอียดเหตุการณ์	ภาพประกอบ	สาเหตุ	การแก้ไข
8.	วันที่ 18 กันยายน 2567 เวลา 14.00 น. ตรวจพื้นที่ Pipe rack GC-3 ถนน I-2 Bent 215-225 พบมี Camp นักร้าน ของโครงการ AGC-VNT/RIC/SIRI หายจำนวน 69 ตัว		พื้นที่โครงสร้าง	- แจ้งเจ้าของทรัพย์สิน รับทราบและตรวจสอบที่เกิดเหตุ
9.	วันที่ 22 กันยายน 2567 เวลา 12.10 น. เกิดเหตุเพลิงไหม้ ภายใน Plant VOC-1 ของบริษัท TPC		ยังไม่ทราบสาเหตุที่แน่ชัด	- ตรวจสอบพื้นที่ Pipe rack รอบบริเวณ - วันที่ 24 กันยายน 2567 นัดผู้ประกอบการบริษัท เจ้าของ Pipe rack เจ้าของท่อผลิตภัณฑ์ เข้าตรวจสอบพื้นที่ ไม่พบความเสียหาย หรือผลกระทบ

3.3 การตรวจสอบผลิตภัณฑ์ภายในท่อรั่วซึมเล็กน้อยด้วยน้ำฟองสบู่และเครื่องวัดแก๊ส (Gas Detector)

3.3.1 การตรวจสอบเบื้องต้นเพื่อหาจุดรั่วซึมเล็กน้อย (ด้วยฟองสบู่)

ผลิตภัณฑ์ภายในท่อ	จำนวนจุดรั่วซึมเล็กน้อย	เจ้าของท่อ	หมายเหตุ
Oxygen	1	LINDE	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
High-pressure steam	15	GLOW GE, GPSC- 1	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
Medium-pressure steam	22	GLOW GE, GLOW SPP 3	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
Hydrogen gas	2	LINDE, GC-11	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
Instrument air	1	GPSC-1	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
Demineralized Water	1	GPSC-1	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
Steam Condensate	3	GLOW GE, GLOW SPP 1	แจ้งเจ้าของท่อรับทราบ/และจะเข้าดำเนินการแก้ไข
รวม	45		



3.3.2 การตรวจหาปริมาณการรั่วซึม ด้วยเครื่องวัดแก๊ส (Gas Detector)

ผลิตภัณฑ์ภายในท่อ	จำนวนจุดรั่วซึมเล็กน้อย	เจ้าของท่อ	หมายเหตุ
HYDROGEN GAS	2	LINDE, GC-11	ตรวจวัดค่า LEL 0%
รวม	2		

หมายเหตุ: ตรวจสอบโดยใช้ Gas Detector ในระยะ 10 เซนติเมตร ค่า LEL เป็น 0%

3.4 การดำเนินงานมาตรการด้านความปลอดภัยและระงับเหตุฉุกเฉิน

#	รายละเอียด	กำหนดการ	หมายเหตุ
1.	บริษัท EFT จัดจ้างตัดกิ่งไม้และกำจัดวัชพืชป้องกันแนวกันไฟข้าง Piperack จำนวน 11 พื้นที่ (พื้นที่นี้คมา มาบตาพุด, PTT ROW, AIE, WHA EIE)	เดือนสิงหาคม ถึง เดือนตุลาคม 2567	
2.	บริษัท EFT จัดจ้างติดตั้งถังทรายข้าง Piperack ที่อยู่ข้างรางระบายน้ำสาธารณะ จำนวน 23 จุด (พื้นที่นี้คมา มาบตาพุด, PTT ROW, AIE, WHA EIE)	เดือนกันยายน ถึง เดือนธันวาคม 2567	

3.5 การฝึกซ้อมแผนฉุกเฉินร่วมกับหน่วยงานภายนอก

3.5.1 รายละเอียดฝึกซ้อมแผนฉุกเฉิน

#	วันที่ซ้อมแผนฉุกเฉิน	ระดับซ้อมแผนฉุกเฉิน (การนิคมฯ)	ซ้อมแผนร่วมกับหน่วยงานภายนอก	รูปภาพประกอบ
1.	วันที่ 12 กันยายน 2567	1	บริษัท GC สาขา 17, บริษัท NPC S&E	
2.	วันที่ 17 กันยายน 2567	1	WHA EIE, บริษัท AVT, บริษัท S&L	
3.	วันที่ 27 กันยายน 2567	1	บริษัท GC สาขา 8, บริษัท NPC S&E	



- 3.6 ให้บริการฝึกอบรมด้านความปลอดภัยสำหรับผู้สนใจภายนอก
บริษัท EFT ให้บริการฝึกอบรมด้านความปลอดภัยสำหรับผู้สนใจบุคคลภายนอก มีหลักสูตรที่เปิดให้บริการดังนี้
- 1) หลักสูตรฝึกอบรมความปลอดภัยในการทำงานในที่อับอากาศ
 - 2) หลักสูตรฝึกซ้อมการดับเพลิงขั้นต้น
 - 3) หลักสูตรฝึกซ้อมดับเพลิงและฝึกซ้อมอพยพหนีไฟ
 - 4) หลักสูตรฝึกซ้อมการดับเพลิงขั้นสูง

3.6.1 – ไม่มีการให้บริการอบรมบุคคลภายนอก

4. งานให้บริการเบ็ดเสร็จครบวงจร (One Stop Services)

#	สถานะของการให้บริการ	จำนวนโครงการ	เจ้าของโครงการ	ลักษณะของโครงการ
A.	ประสานงาน	-		
B.	อยู่ระหว่างการให้บริการ	1	AVT	CSS
C.	การให้บริการแล้วเสร็จ	1	CPP (PTT)	CE

หมายเหตุ: CE = Consultant Engineering
CSS = Construction Supervision Service
FS = Feasibility Study



ประชาสัมพันธ์

พร้อมให้บริการแล้ว

มกราคม 2567

ผู้ตรวจประเมินภายนอกการจัดการความปลอดภัยกระบวนการผลิต (Process Safety Management : PSM)

ตามข้อบังคับคณะกรรมการ การนิคมอุตสาหกรรมแห่งประเทศไทย ว่าด้วยหลักเกณฑ์ วิธีการ และเงื่อนไขในการประกอบกิจการใน นิคมอุตสาหกรรมและการจัดการความปลอดภัยกระบวนการผลิต (ฉบับที่ 4) พ.ศ. 2559 และ (ฉบับที่ 6) พ.ศ. 2563 ฉบับแก้ไข

คุณ อนุชา กิ่งนุชฤฎี (038) 684 - 740 anucha@eft.co.th



1M-Visual Inspection Checklist for Pump/Agitator/Blower

1. IDENTIFICATION					
Tag No	MP-910 B		Area	MMA	
Date	3-9-24				
M/C No					
<input checked="" type="checkbox"/> Overhang Centrifugal pump	<input type="checkbox"/> Between Bearing Centrifugal Pump	<input type="checkbox"/> Vertical Centrifugal Pump			
<input checked="" type="checkbox"/> Canned pump	<input type="checkbox"/> Metering Pump	<input type="checkbox"/> Agitator			
<input type="checkbox"/> Diaphragm Pump	<input type="checkbox"/> Blower				
3. CONDITIONS					
	Yes	No	N/A	Location / Comment	
Oil in bearing housing for water contamination and sediment (replace oil if necessary)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	น้ำมันมีการปนเปื้อนน้ำหรือตะกอนหรือไม่ (เปลี่ยนน้ำมันถ้าจำเป็น)	
Oil ring for proper working?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แหวนน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Constant level oiler for proper working?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ระดับน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Gland packing (for leakage)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แพคกิ้งหรือเยดในปริมาณที่ยอมรับได้หรือไม่	
Condition of mechanical seal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพการทำงานของ mechanical seal ปกติหรือไม่	
Cooling water flow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ปริมาณการไหลของน้ำหล่อเย็นปกติหรือไม่	
Condition of coupling guard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพที่ป้องกันประกบเพลาเรียบร้อยปกติหรือไม่	
Condition of bearing by sound and temperature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพเสียงและอุณหภูมิของตลับลูกปืนปกติหรือไม่	
Electric motor load current (at discharge valve shutoff and open condition)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	กระแสไฟฟ้าปกติหรือไม่ (วาล์วขาออกอยู่ในตำแหน่งปิดและเปิด)	
Performance of all measuring instruments (pressure/ temperature gauges and flow meters)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	การทำงานของอุปกรณ์ Instruments ปกติหรือไม่	
Greasing of bearing; if bearings are grease lubricated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดเติมจารบีปกติหรือไม่ ในกรณีที่ต้องหล่อลื่นด้วยจารบี	
4. LEAKS					
	Yes	No	N/A	Location / Comment	
Any leaks from the process?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการรั่วไหลของ Process หรือไม่	
Any leaks from steam tracing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการรั่วไหลของ Steam tracing หรือไม่	
Are any valves leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการรั่วไหลของวาล์วหรือไม่	
5. PIPE SUPPORT					
	Yes	No	N/A	Location / Comment	
Any shoes off their supports?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดรองรับแนวท่ออยู่ในสภาพปกติหรือไม่	
Any hangers missing or damaged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดแขวนแนวท่ออยู่ในสภาพปกติหรือไม่	
Any spring hangers bottomed-out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดแขวนแนวท่อแบบสปริงอยู่ในสภาพปกติหรือไม่	
Any problems with support braces?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพสายโยงจุดรองรับแนวท่อปกติหรือไม่	
Any loose or broken brackets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการหลวมหรือแตกหักของจุดค้ำแนวท่อหรือไม่	
6. VIBRATION					
	Yes	No	N/A	Location / Comment	
Any significant vibration observed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีแรงสั่นสะเทือนที่ผิดปกติสังเกตหรือไม่	
Any evidence of excessive movement?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการเคลื่อนที่ของอุปกรณ์ออกจากจุดยึดมากเกินไปหรือไม่	
Any pipe distortion observed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีการบิดงอของแนวท่อที่ผิดปกติหรือไม่	
7. INSULATION					
	Yes	No	N/A	Location / Comment	
Any physical damage or penetration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีสภาพเสียหายหรือการเจาะลึกขาดหรือไม่	
Any deterioration/damage of weather seals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีสภาพเสียหายกับซีลโดนกันน้ำหรือไม่	
Any bulging or wet insulation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีน้ำเข้าฉนวนควบคุมอุณหภูมิ	
Any discoloration indicating leakage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีจุดเสื่อมสภาพหรือไม่ที่บ่งบอกถึงจุดรั่วไหล	
Any retaining bands missing/broken?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สายรัดฉนวนควบคุมอุณหภูมิเสียหายหรือไม่	
Any missing jackets, plugs or insulation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ฉนวนควบคุมอุณหภูมิเสียหายหรือไม่	
8. CORROSION					
	Severe	Mild	NO	N/A	Location / Comment
Any corrosion at support points or fixtures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนที่ฐานอุปกรณ์หรือไม่
Any coating or paint deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีความเสียหายของสารเคลือบหรือสีอุปกรณ์หรือไม่
Any areas with scale, pits, or rust?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีสนิมหรือการหลุดร่อนบริเวณอุปกรณ์หรือไม่
Any corrosion between flanges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนระหว่างหน้าแปลนหรือไม่
Any significant corrosion of flange bolts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนของน็อตยึดหน้าแปลนหรือไม่
Remark: N/A if there is not for that rotating machine					
Reported By [Redacted]					
Reviewed By [Redacted]					
Form No. FM-EN-304					
Revision Date: 23-Apr-2018					
Revision No. 0					



1M-Visual Inspection Checklist for Pump/Agitator/Blower

1. IDENTIFICATION					
Tag No.	MP-910A		Area	MMA	
MO No.	Date 3-9-24				
<input checked="" type="checkbox"/> Overhang Centrifugal pump	<input type="checkbox"/> Between Bearing Centrifugal Pump	<input type="checkbox"/> Vertical Centrifugal Pump			
<input checked="" type="checkbox"/> Canned pump	<input type="checkbox"/> Metering Pump	<input type="checkbox"/> Agitator			
<input type="checkbox"/> Diaphragm Pump	<input type="checkbox"/> Blower				
3. CONDITIONS					
	Yes	No	N/A	Location / Comment	
Oil in bearing housing for water contamination and sediment (replace oil if necessary)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	น้ำมันมีการปนเปื้อนน้ำหรือตะกอนหรือไม่ (เปลี่ยนน้ำมันถ้าจำเป็น)	
Oil ring for proper working?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แหวนน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Constant level oiler for proper working?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ระดับน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Gland packing (for leakage)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แพคกิ้งร็วหรือหดยึดไม่แน่นพอหรือไม่	
Condition of mechanical seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพการทำงานของ mechanical seal ปกติหรือไม่	
Cooling water flow?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ปริมาณการไหลของน้ำหล่อเย็นปกติหรือไม่	
Condition of coupling guard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สภาพที่ป้องกันประกบเพลาลูกเบี้ยวปกติหรือไม่	
Condition of bearing by sound and temperature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	สภาพเสียงและอุณหภูมิของดรัมปกติหรือไม่	
Electric motor load current (at discharge valve shutoff and open condition)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	กระแสไฟฟ้าปกติหรือไม่ (วาล์วขาออกอยู่ในตำแหน่งปิดและเปิด)	
Performance of all measuring instruments (pressure/ temperature gauges and flow meters)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	การทำงานของอุปกรณ์ instruments ปกติหรือไม่	
Greasing of bearing; if bearings are grease lubricated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดเติมจารบีปกติหรือไม่ ในกรณีที่ใช้สลับกับหล่อลื่นด้วยจารบี	
4. LEAKS					
	Yes	No	N/A	Location / Comment	
Any leaks from the process?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของ Process หรือไม่	
Any leaks from steam tracing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของ Steam tracing หรือไม่	
Are any valves leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของวาล์วหรือไม่	
5. PIPE SUPPORT					
	Yes	No	N/A	Location / Comment	
Any shoes off their supports?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดรองรับแนวท่ออยู่ในสภาพปกติหรือไม่	
Any hangers missing or damaged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดแขวนแนวท่ออยู่ในสภาพปกติหรือไม่	
Any spring hangers bottomed-out?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดแขวนแนวท่อแบบสปริงอยู่ในสภาพปกติหรือไม่	
Any problems with support braces?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	สภาพสายโยงจุดรองรับแนวท่อปกติหรือไม่	
Any loose or broken brackets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการหลวมหรือแตกหักของจุดค้ำแนวท่อหรือไม่	
6. VIBRATION					
	Yes	No	N/A	Location / Comment	
Any significant vibration observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีแรงสั่นสะเทือนที่ผิดปกติหรือไม่	
Any evidence of excessive movement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการเคลื่อนที่ของอุปกรณ์ออกจากจุดเดิมมากเกินไปหรือไม่	
Any pipe distortion observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการบิดงอของแนวท่อที่ผิดปกติหรือไม่	
7. INSULATION					
	Yes	No	N/A	Location / Comment	
Any physical damage or penetration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีสภาพเสียหายหรือการเจาะฉีกขาดหรือไม่	
Any deterioration/damage of weather seals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีสภาพเสียหายกับซีลกันน้ำหรือไม่	
Any bulging or wet insulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีน้ำเข้าฉนวนความคุมอุณหภูมิ	
Any discoloration indicating leakage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	มีจุดเลื่อมสภาพหรือไม่ที่บ่งบอกถึงจรั่วไหล	
Any retaining bands missing/broken?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	สายรัดฉนวนความคุมอุณหภูมิเสียหายหรือไม่	
Any missing jackets, plugs, or insulation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ฉนวนความคุมอุณหภูมิเสียหายหรือไม่	
8. CORROSION					
	Severe	Mild	NO	N/A	Location / Comment
Any corrosion at support points or fixtures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนที่ฐานอุปกรณ์หรือไม่
Any coating or paint deterioration?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีความเสียหายของสารเคลือบหรือสีอุปกรณ์หรือไม่
Any areas with scale, pits, or rust?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีสนิมหรือการหลุดร่อนบริเวณอุปกรณ์หรือไม่
Any corrosion between flanges?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนระหว่างหน้าแปลนหรือไม่
Any significant corrosion of flange bolts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนของน็อตยึดหน้าแปลนหรือไม่
Remark: N/A if there is not for that rotating machine					
Reported By [Redacted] Reviewed By [Redacted]					
Form No. FM-EW-S017 Revision Date: 23-Apr-2018 Revision No. 0					



1M-Visual Inspection Checklist for Pump/Agitator/Blower

1. IDENTIFICATION					
Tag No	AP-1D2B1		Area	AN	
MO No	13-8-2024				
<input checked="" type="checkbox"/> Overhang Centrifugal pump	<input type="checkbox"/> Between Bearing Centrifugal Pump	<input type="checkbox"/> Vertical Centrifugal Pump			
<input type="checkbox"/> Canned pump	<input type="checkbox"/> Metering Pump	<input type="checkbox"/> Agitator			
<input type="checkbox"/> Diaphragm Pump	<input type="checkbox"/> Blower				
3. CONDITIONS					
	Yes	No	N/A	Location / Comment	
Oil in bearing housing for water contamination and sediment (replace oil if necessary)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	น้ำมันมีการปนเปื้อนน้ำหรือตะกอนหรือไม่ (เปลี่ยนน้ำมันถ้าจำเป็น)	
Oil ring for proper working?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แหวนน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Constant level oiler for proper working?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ระดับน้ำมันอยู่ในตำแหน่งที่เหมาะสมหรือไม่	
Gland packing (for leakage)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	แพคเกจจิ้งหรือหดยึดในปริมาณที่เหมาะสมหรือไม่	
Condition of mechanical seal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	สภาพการทำงานของ mechanical seal ปกติหรือไม่	
Cooling water flow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ปริมาณการไหลของน้ำหล่อเย็นปกติหรือไม่	
Condition of coupling guard?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	สภาพที่ป้องกันประกบเพลา/ขอยึดปกติหรือไม่	
Condition of bearing by sound and temperature?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	สภาพเสียงและอุณหภูมิของดัดลูกปืนปกติหรือไม่	
Electric motor load current (at discharge valve shutoff and open condition)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	กระแสไฟฟ้าปกติหรือไม่ (วาล์วขาออกอยู่ในตำแหน่งปิดและเปิด)	
Performance of all measuring instruments (pressure/ temperature gauges and flow meters)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	การทำงานของอุปกรณ์ Instruments ปกติหรือไม่	
Greasing of bearing; if bearings are grease lubricated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	จุดเติมจารบีปกติหรือไม่ ในกรณีที่ดัดลูกปืนหล่อลื่นด้วยจารบี	
4. LEAKS					
	Yes	No	N/A	Location / Comment	
Any leaks from the process?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของ Process หรือไม่	
Any leaks from steam tracing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของ Steam tracing หรือไม่	
Are any valves leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการรั่วไหลของวาล์วหรือไม่	
5. PIPE SUPPORT					
	Yes	No	N/A	Location / Comment	
Any shoes off their supports?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดรองรับแนวท่ออยู่ในสภาพปกติหรือไม่	
Any hangers missing or damaged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดแขวนแนวท่ออยู่ในสภาพปกติหรือไม่	
Any spring hangers bottomed-out?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	จุดแขวนแนวท่อแบบสปริงอยู่ในสภาพปกติหรือไม่	
Any problems with support braces?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	สภาพสายโยงจุดรองรับแนวท่อปกติหรือไม่	
Any loose or broken brackets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการหลวมหรือแตกหักของจุดค้ำแนวท่อหรือไม่	
6. VIBRATION					
	Yes	No	N/A	Location / Comment	
Any significant vibration observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีแรงสั่นสะเทือนที่ผิดปกติสังเกตหรือไม่	
Any evidence of excessive movement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการเคลื่อนที่ของอุปกรณ์ออกจากจุดยึดมากเกินไปหรือไม่	
Any pipe distortion observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีการบิดงอของแนวท่อที่ผิดปกติสังเกตหรือไม่	
7. INSULATION					
	Yes	No	N/A	Location / Comment	
Any physical damage or penetration?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีสภาพเสียหายหรือการเจาะฉีกขาดหรือไม่	
Any deterioration/damage of weather seals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีสภาพเสียหายกับซีลกันน้ำหรือไม่	
Any bulging or wet insulation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีน้ำเข้าฉนวนความคุมอุณหภูมิ	
Any discoloration indicating leakage?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	มีจุดเสื่อมสภาพหรือไม่ที่บ่งบอกถึงจรั่วไหล	
Any retaining bands missing/broken?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	สายรัดฉนวนความคุมอุณหภูมิเสียหายหรือไม่	
Any missing jackets, plugs, or insulation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ฉนวนความคุมอุณหภูมิเสียหายหรือไม่	
8. CORROSION					
	Severe	Mild	NO	N/A	Location / Comment
Any corrosion at support points or fixtures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนที่ฐานอุปกรณ์หรือไม่
Any coating or paint deterioration?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีความเสียหายของสารเคลือบหรือสีอุปกรณ์หรือไม่
Any areas with scale, pits, or rust?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีสนิมหรือการหลุดร่อนบริเวณอุปกรณ์หรือไม่
Any corrosion between flanges?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนระหว่างหน้าแปลนหรือไม่
Any significant corrosion of flange bolts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	มีการกัดกร่อนของน็อตยึดหน้าแปลนหรือไม่
Remark: N/A if there is not for that rotating machine					
Reported By [Redacted] Reviewed By [Redacted]					
Form No. FM-EM-501 Revision Date: 23-Apr-2018 Revision No. 0					



1M-Visual Inspection Checklist for Pump/Agitator/Blower

1. IDENTIFICATION					
Tag No:	AP-122A1	Area:	AN	Date:	13-8-2024
MO No:					
<input checked="" type="checkbox"/> Overhang Centrifugal pump	<input type="checkbox"/> Between Bearing Centrifugal Pump	<input type="checkbox"/> Vertical Centrifugal Pump			
<input type="checkbox"/> Canned pump	<input type="checkbox"/> Metering Pump	<input type="checkbox"/> Agitator			
<input type="checkbox"/> Diaphragm Pump	<input type="checkbox"/> Blower				
3. CONDITIONS					
	Yes	No	N/A	Location / Comment	
Oil in bearing housing for water contamination and sediment (replace oil if necessary)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Oil ring for proper working?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Constant level oiler for proper working?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Gland packing (for leakage)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Condition of mechanical seal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Cooling water flow?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Condition of coupling guard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Condition of bearing by sound and temperature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Electric motor load current (at discharge valve shutoff and open condition)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Performance of all measuring instruments (pressure/ temperature gauges and flow meters)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Greasing of bearing; if bearings are grease lubricated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4. LEAKS					
	Yes	No	N/A	Location / Comment	
Any leaks from the process?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any leaks from steam tracing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are any valves leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. PIPE SUPPORT					
	Yes	No	N/A	Location / Comment	
Any shoes off their supports?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any hangers missing or damaged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any spring hangers bottomed-out?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any problems with support braces?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any loose or broken brackets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6. VIBRATION					
	Yes	No	N/A	Location / Comment	
Any significant vibration observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any evidence of excessive movement?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any pipe distortion observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7. INSULATION					
	Yes	No	N/A	Location / Comment	
Any physical damage or penetration?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any deterioration/damage of weather seals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any bulging or wet insulation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any discoloration indicating leakage?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any retaining bands missing/broken?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Any missing jackets, plugs, or insulation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
8. CORROSION					
	Severe	Mild	NO	N/A	Location / Comment
Any corrosion at support points or fixtures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any coating or paint deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any areas with scale, pits, or rust?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any corrosion between flanges?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any significant corrosion of flange bolts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Remark: N/A if there is not for that rotating machine					
Reported By: [REDACTED] Reviewed By: [REDACTED]					

Form No. FM-M-0001

Revision Date: 31-Mar-20

Revision No.0

ent Calibration Plan & Result 2024

NO.	Type	Gas detector Model	Gas detector type	Sensor type	Serial No.	Owner	Name	Vendor	License Frequency / Year	Next Plan of Year 2024	1st Calibrate of Year 2024										2nd Calibrate of Year 2024/2025										2nd Calibrate of Year 2025										Next Plan of Year 2025
											1st Plan				1st Actual			2nd Plan			2nd Actual			3rd Plan				3rd Actual													
											1st plan Date	1st plan Month	1st plan Year	1st plan Value	1st actual Date	1st actual Month	1st actual Year	1st actual Value	Followup 1st	2nd plan Date	2nd plan Month	2nd plan Year	2nd plan Value	2nd actual Date	2nd actual Month	2nd actual Year	2nd actual Value	Followup 2nd	3rd plan Date	3rd plan Month	3rd plan Year	3rd plan Value	3rd actual Date	3rd actual Month	3rd actual Year	3rd actual Value	Followup 3rd				
1		Multi Gas	X-am 5000	Multi Gas / X-am 5000	ACN / HCN / NH3	ARDB-0351	SS	Premschal (Evo/BSA)	Dräger	2	07-03-24	7	3	2024	1	22	4	2024	1	0	22	10	2024	1	24	10	2024	1	0	24	4	2025	1	0	1						
2		Multi Gas	X-am 5000	Multi Gas / X-am 5000	ACN / HCN / NH3	ARDB-0527	SS	Premschal (Evo/BSA)	Dräger	2	15-04-24	15	4	2024	1	10	5	2024	1	0	9	11	2024	1	30	10	2024	1	0	30	4	2025	1	0	1						
3		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / NG2 / SO2 / NH3	ARCT-0509	MM		Dräger	2	24-05-24	24	5	2024	1	29	5	2024	1	0	28	11	2024	1	30	10	2024	1	0	30	4	2025	1	0	1						
4		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0680	MT		Dräger	2	04-06-24	4	6	2024	1	11	6	2024	1	0	11	12	2024	1	11	12	2024	1	0	11	6	2025	1	0	1						
5		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0685	SS	Center	Dräger	2	24-05-24	24	5	2024	1	29	5	2024	1	0	29	11	2024	1	30	10	2024	1	0	30	4	2025	1	0	1						
6		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0875	SS	Center	Dräger	2	20-03-24	20	2	2024	1	12	2	2024	1	0	12	8	2024	1	19	8	2024	1	0	19	2	2025	1	0	1						
7		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0913	QA		Dräger	2	24-05-24	24	5	2024	1	29	5	2024	1	0	29	11	2024	1	30	10	2024	1	0	30	4	2025	1	0	1						
8		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0914	MM		Dräger	2	18-01-24	18	1	2024	1	25	1	2024	1	0	25	7	2024	1	10	7	2024	1	0	10	1	2025	1	0	1						
9		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0921	LT		Dräger	2	20-02-24	20	2	2024	1	12	2	2024	1	0	12	8	2024	1	19	8	2024	1	0	19	2	2025	1	0	1						
10		Multi Gas	X-am 5000	Multi Gas / X-am 5000	LEL / CO2/H2S / CO	ARSA-0949	SS	Premschal (Evo/BSA)	Dräger	2	18-01-24	18	1	2024	1	25	1	2024	1	0	25	7	2024	1	10	7	2024	1	0	10	1	2025	1	0	1						
11	Single Gas	X-am 2000	Single Gas / X-am 2000	LEL	ARSD-2350	MM		Dräger	2	07-03-24	7	3	2024	1	22	4	2024	1	0	22	10	2024	1	24	10	2024	1	0	24	4	2025	1	0	1							
12	Single Gas	X-am 2000	Single Gas / X-am 2000	LEL	ARSA-A1-42	MM		Dräger	2	07-03-24	7	3	2024	1	22	4	2024	1	0	22	10	2024	1	24	10	2024	1	0	24	4	2025	1	0	1							
13	Single Gas	PAC 7000	Single Gas / PAC 7000	CO	ARCO-2345	SS	Premschal (Evo/BSA)	Dräger	1	20-02-24	20	2	2024	1	12	2	2024	1	0	12	2	2025	1			</															

ent Calibration Plan & Result 2024

[illegible]

Safety Equipment Calibration Plan & Result 2024

										1st Calibrate of Year 2024										2nd Calibrate of Year 2024/2025										2nd Calibrate of Year 2025											Next Plan of Year 2025	
NO.	Type	Gas detector Model	Gas detector type	Sensor type	Serial No.	Owner	Name	Vendor	Lemorate Frequency / Year	Next Plan of Year 2024	1st Plan					1st Actual					2nd Plan					2nd Actual					3rd Plan					3rd Actual						Followup 3rd
											1st plan Date	1st plan Month	1st plan Year	1st plan Value	1st actual Date	1st actual Month	1st actual Year	1st actual Value	Followup 1st	2nd plan Date	2nd plan Month	2nd plan Year	2nd plan Value	2nd actual Date	2nd actual Month	2nd actual Year	2nd actual Value	Followup 2nd	3rd plan Date	3rd plan Month	3rd plan Year	3rd plan Value	3rd actual Date	3rd actual Month	3rd actual Year	3rd actual Value						
149	Chemical suil	Workmaster pro ET Level B	Chemical suil / Workmaster pro ET Level B	M	FIML-0013	SS	Praechnai (T/T)	Dreager	1	18-01-24	18	1	2024	1	26	1	2024	1	0	25	1	0	25	1	0	25	1	0	25	1	0	25	1	0	1							
150	Chemical suil	Workmaster pro ET Level B	Chemical suil / Workmaster pro ET Level B	L	FIML-0014	SS	Praechnai (T/T)	Dreager	1	21-11-04	21	11	2024	1	13	11	2024	1	0	13	11	2025	1	0	13	11	2025	1	0	13	11	2025	1	0	1							
151	Single Gas	PAC 8000	Single Gas / PAC 8000	KS	ARNA-0074	MT		Dreager	1	20-03-24	20	3	2024	1	27	2	2024	1	0	27	2	2025	1	0	27	2	2025	1	0	27	2	2025	1	0	1							
152	Single Gas	PAC 8000	Single Gas / PAC 8000	OZ	ARNA-0020	MT		Dreager	1	20-02-24	20	2	2024	1	27	2	2024	1	0	27	2	2025	1	0	27	2	2025	1	0	27	2	2025	1	0	1							
153	Single Gas	PAC 8000	Single Gas / PAC 8000	OZ	ARNA-0021	EN		Dreager	1	13-03-24	13	2	2024	1	12	2	2024	1	0	12	2	2025	1	0	12	2	2025	1	0	12	2	2025	1	0	1							
154	Single Gas	PAC 8000	Single Gas / PAC 8000	ACH	ARNB-0160	AN		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
155	Single Gas	PAC 8000	Single Gas / PAC 8000	ACH	ARNS-0161	AN		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
156	Single Gas	PAC 8000	Single Gas / PAC 8000	ACH	ARNS-0162	AN		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
157	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARNA-0040	AN		Dreager	1	13-02-24	13	2	2024	1	12	2	2024	1	0	12	2	2025	1	0	12	2	2025	1	0	12	2	2025	1	0	1							
158	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARNA-0047	AN		Dreager	1	13-02-24	13	2	2024	1	12	2	2024	1	0	12	2	2025	1	0	12	2	2025	1	0	12	2	2025	1	0	1							
159	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARNA-0054	MT		Dreager	1	20-02-24	20	2	2024	1	27	2	2024	1	0	27	2	2025	1	0	27	2	2025	1	0	27	2	2025	1	0	1							
160	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARNA-0133	AN		Dreager	1	28-02-24	28	2	2024	1	12	2	2024	1	0	12	2	2025	1	0	12	2	2025	1	0	12	2	2025	1	0	1							
161	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARNA-0108	AN		Dreager	1	16-03-24	16	3	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
162	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARNA-0160	AN		Dreager	1	20-02-24	20	2	2024	1	12	2	2024	1	0	12	2	2025	1	0	12	2	2025	1	0	12	2	2025	1	0	1							
163	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARNA-0163	AN		Dreager	1	16-03-24	16	3	2024	1	12	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
164	Multi Gas / X-am 3000	X-am 3000	Multi Gas / X-am 3000	LEL,CO2,H2S,CO	ARNB-0054	EN		Dreager	2	05-06-24	5	6	2024	1	23	6	2024	1	0	13	12	2024	1	30	10	2024	1	0	30	4	2025	1	0	1								
165	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARNL-0105	SS	Center	Dreager	1	16-01-24	16	1	2024	1	25	1	2024	1	0	25	1	2025	1	0	25	1	2025	1	0	25	1	2025	1	0	1							
166	Multi Gas	X-am 3000	Multi Gas / X-am 3000	LEL,CO2,H2S,CO	ARPA-0020	MM		Dreager	2	20-02-24	20	2	2024	1	27	2	2024	1	0	28	6	2024	1	19	8	2024	1	0	19	2	2025	1	0	1								
167	Single Gas	PAC 8000	Single Gas / PAC 8000	OZ	ARPA-0015	SS	Praechnai (T/T)	Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
168	Single Gas	PAC 8000	Single Gas / PAC 8000	ACH	ARPA-0005	SS	Praechnai (Envi500)	Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
169	Single Gas	PAC 8000	Single Gas / PAC 8000	MMMA	ARBN-0026	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
170	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARPA-0041	AN		Dreager	1	08-05-24	8	5	2024	1	29	5	2024	1	0	29	5	2025	1	0	29	5	2025	1	0	29	5	2025	1	0	1							
171	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARPA-0062	MM		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
172	Single Gas	PAC 8000	Single Gas / PAC 8000	NH3	ARPA-0070	LT		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
173	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0044	AN		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
174	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0046	AN		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
175	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0053	AN		Dreager	1	20-04-24	20	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
176	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0054	AN		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
177	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0060	AN		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
178	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0061	MM		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
179	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0062	QA		Dreager	1	16-03-24	16	3	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
180	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0068	QA		Dreager	1	16-03-24	16	3	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
181	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0070	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
182	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0072	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
183	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0078	MT		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
184	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0071	MT		Dreager	1	22-05-24	22	5	2024	1	29	5	2024	1	0	29	5	2025	1	0	29	5	2025	1	0	29	5	2025	1	0	1							
185	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0079	MT		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
186	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARMA-0080	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
187	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0019	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
188	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0020	MT		Dreager	1	25-04-24	25	4	2024	1	10	5	2024	1	0	10	5	2025	1	0	10	5	2025	1	0	10	5	2025	1	0	1							
189	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0028	MT		Dreager	1	30-03-24	30	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
190	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0036	EN		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
191	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0038	EN		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0	22	4	2025	1	0	22	4	2025	1	0	1							
192	Single Gas	PAC 8000	Single Gas / PAC 8000	HCH	ARBN-0037	EN		Dreager	1	16-03-24	16	3	2024	1	22	4	2024	1	0	22	4	2025	1	0																		