

LNG Process equipment switching plan September 2024	
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Priority	HP Pump	BOG Comp	SW Pump	ORV	Metering	LNG Tank 1	LNG Tank 2	LNG Tank 3	LNG Tank 4
1	HP K	BOG B	SWP B	ORV E	Metering E	LP 1A	LP 2A	LP 3C	LP 4A
2	HP E	BOG C	SWP A	ORV J	Metering A	LP 1C	LP 2B	LP 3A	LP 4B
3	HP I	BOG D	SWP D	ORV D	Metering B	LP 1B	LP 2C	LP 3B	LP 4C
4	HP F	BOG A	SWP C	ORV C	Metering C	Remark : 1-Sep-24 HP Pump B: HP pump B (Abnormal noise) keep last priority CYP Pump B : Mechanical Seal leak, Vibration Trend too high keep last priority IA Comp A: Temp 1st stage HH trip (Screw comp problem) keep last priority Intank pump 3B: Isolate due to N2 Seal JB problem (LOTO No.18) HP Pump I: Isolate for Overhaul (LOTO No.5) ORV-G: Isolate for cleaning and Inspection (LOTO No.28) Berth 3: Yearly PM (LOTO No.27)			
5	HP A		SWP E	ORV B	Metering D				
6	HP D			ORV A					
7	HP H			ORV I					
8	HP C			ORV H					
9	HP G			ORV G					
10	HP J			ORV F					
11	HP B								

CWG & IPG Process equipment switching plan September 2024

Priority	IFV	Warm water pump		IPG Pump		HVAC Pump		GTG	Remark : - GTG Lube oil cooler fan & Enclosure vent fan switch every month
	Week 1-4	Week 1-2	Week 3-4	Week 1-2	Week 3-4	Week 1-2	Week 3-4	Week 1-4	
1	IFV A	WARM E	WARM E	IPG A	IPG A	HVAC E	HVAC E	GTG A	
2	IFV B	WARM D	WARM D	IPG B	IPG B	HVAC C	HVAC D	GTG B	
3		WARM B	WARM A	IPG C	IPG C	HVAC A	HVAC C		
4		WARM A	WARM B	IPG E	IPG E	HVAC D	HVAC A		
5		WARM C	WARM C	IPG D	IPG D	HVAC B	HVAC B		

***Equipment switching plan September 2024 (เพิ่มเติม)**

Priority	LNG Process		IPG & ORC Process						
	IA Comp	Electrolyzer	IPG IA	CYP Pump	Hot oil Pump	WHRU-A	WHRU-B	GTG L/O Cooler fan	GTG Encl Vent Fan
1	IA Comp A	Electrolyzer A	IPG IA B	CYP Pump A	HO Pump A	WHRU-A Seal fan A	WHRU-B Seal fan A	A	A
2	IA Comp B	Electrolyzer B	IPG IA A	CYP Pump B	HO Pump B	WHRU-A Seal fan B	WHRU-B Seal fan B	B	B

Send out (MMSCFD)	ORV	SWP Type	SWP Qty.	SW Flow	Electrolyzer (Amp)	Operation guide
190 - 360	1	VSD 1st	1	10,000 m3/h	Auto by PLC	1.GTGs Spinning reserve capacity must cover PEA+ORC Power
360 - 550	2					2.Run Seawater Pump A, C for VSD Mode first priority
550 - 740	3					3.Unloading sampling Berth#1 = 3.0 barg , Berth#2 = 3.3 barg
740 - 930	4	VSD 1st, 2nd	2	20,000 m3/h	Auto by PLC	4.ITCP diff pressure between LMPT1-LMPT2 >= 2 barg
930 - 1120	5					5.Metering <u>A/B/C</u> ~ 350 MMSCFD , <u>D/E</u> ~ 800 MMSCFD
1120 - 1310	6					6.HP Pump 3 Units (390 MMSCFD +) = Intank pump 2 Units
1310 - 1500	7	VSD 1st, 2nd and FIX SPD	3	30,000 m3/h	Auto by PLC	7.GTG Control mode = MW, MVAR
1500 - 1690	8					8.Before unloading operation pressure tank < 190 mbarg
1690 - 1880	9					9.T1 > MAP (91.5-110 barg),Pressure diff NG-LNG (12 barg)