## OPERATIONAL EXCELLENCE MANAGEMENT SYSTEM (OEMS)

05\_02\_01-L3-OP CRU13N-427 SUNDYNE PUMP SWITCHING

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# OPERATIONAL EXCELLENCE MANAGEMENT SYSTEM (OEMS)

1	Purpose	This job instruction provides the necessary guidelines for safe and correct Sundyne pumps switching.		
1.	ruipose			
2.	Scope	The pumps switching of Naphtha H	ydrotreating Unit, Catalytic	
		Reforming Unit and Catalyst Contin	uous Regeneration Unit pumps	
		preparation, switching pumps and s	stand by pumps checklist during on	
		stand by mode.		
3.	Task	Please refer to information page		
4.	Categories	Please refer to information page		
5.	Pre-Requisite	Not Applicable		
6.	Hazards and			
	Precautions			
		Hazard	Precaution	
		Naphtha -Flammable liquid	Wear proper PPE, Avoid any direct	
		hydrocarbon	contact to eye and skin. Avoid any	
		Naphtha is an <b>extremely</b>	direct exposure.	
		flammable liquid and		
		vapour. It is toxic by		
		ingestion, inhalation and skin		
		<b>absorption</b> . Contact can irritate		
		the skin and eyes. Inhaling		
		Naphtha can irritate the nose and		
		throat		
		1		

**Console Technician (CT)** 

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	LPG (Liquefied Petroleum Gas) is	Wear proper PPE, Avoid any direct
	a highly flammable and	contact to eye and skin. Avoid any
	potentially explosive substance	direct exposure.
	that can cause fire and explosion	
	hazards. The main hazards are	
	gas leakage followed by ignition.	
	LPG can cause cold burns if in	
	contact with the skin, or act as an	
	asphyxiant if present in high	
	concentrations. Hazardous	
	exposure to LPG can happen by	
	inhalation, skin, and eye contact.	
7. Special PPE, Tools	NA	1
and Equipment		
8. Limitation	NA	
0. 6000000000000000	A/A	
9. Consequences of	NA	
9. Consequences of Deviation	NA	
_	NA	Consequences and How to
_	NA  Type of Deviation	Consequences and How to Avoid
_		-
_		-
_	Type of Deviation	-
Deviation	Type of Deviation	-
Deviation	Type of Deviation	-
Deviation  10. Procedure Checklis	Type of Deviation	Avoid

to be taken during these activities.

To give instructions to Field Technician for the action

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Operate The Facilities	<ul> <li>Response to the Production Supervisor and Console</li> </ul>
(OTF)	Technician instruction or guidance for these
	activities.

#### CONTENTS

#### PROCEDURE

- 1.0 STAND BY PUMP CHECKLIST
- 2.0 STAND BY PUMP START
- 3.0 STOP RUNING PUMP
- 4.0 COMPLETION PUMP CHECK LIST
- 5.0 ATTACHMENT

Step	Action (and Hazard/Precaution if applicable)		Name	Signature	Date &
	10.1 ST	AND BY PUMP CHECK LIST			
	10.1.1	Ensure stand by pump breaker is energized (checked with Electrician).			
	10.1.2	Ensure suction block valve fully open.			
	10.1.3	Fully open discharge block valve.			
	10.1.4	Ensure seal pot system line up and route to flare system i.e where applicable			
10.1	10.1.5	Ensure lubrication oil at normal operating level and in good condition			
	10.1.6	Ensure tandem seal pot level at normal operating level i.e where applicable			
	10.1.7	Ensure tandem seal pot pressure at 0.0 kg/cm <sup>2</sup> i.e where applicable			
	10.1.8	Ensure cooling water system line up and good condition.			
	10.1.9	Ensure Spillback Control Valve in good functioning.			

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olock valve
art stand by
e pump for 5 ly and stop
t the stand
tion, seal
normal
op running
stop to stop
on.
t t

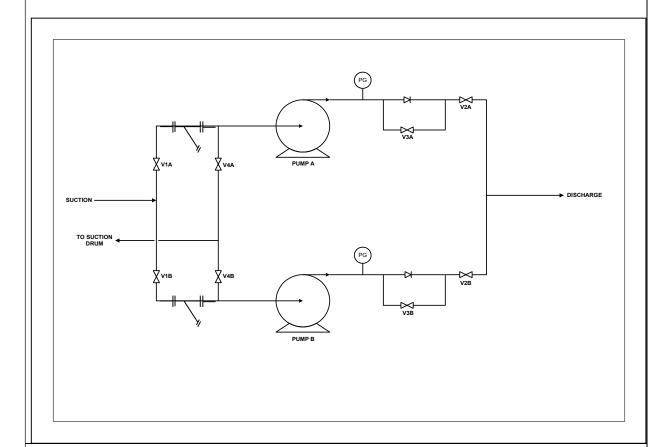
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	10.4 C	OMPLETION PUMP CHECKLIST		
	10.4.1	Discharge pressure at normal operating		
		pressure.		
	10.4.2	Tandem seal level at normal operating		
		level i.e where applicable		
	10.4.3	Tandem seal pressure at 0.0 kg/cm2.		
	10.4.4	Communicate with Console Technician for		
		normal pump flow performance.		
10.4				
		NOTE		
	N	lormal practice, pump delivered low flow		
		when the suction strainer clogged or		
İ		incorrect operating of NPSH.		
	10.4.5	Check for any abnormal condition such as		
		leak, excessive vibration, abnormal sound		
		etc.		

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#### **ATTACHMENT 1: SUNDYNE PUMPS SIMPLY DIAGRAM**



#### 11. Link with Other Documents

Reference	Document Name
	<ul> <li>PP (M) SB Operation Manual</li> <li>UOP Platforming Manual</li> </ul>

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12. Signature	This procedure checklist was completed by (applies if checklist format utilized):
	(Name) (Date)
13. Attachments	
NA	

# OPERATIONAL EXCELLENCE MANAGEMENT SYSTEM (OEMS)

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# 14. Revision History

Revision No.	Description of Amendments/Changes
7	Revise due document validity
6	Revise for revalidation and OEMS requirement
5	Revise due document validity
4	Revise due document validity
3	Revise due document validity

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#### **DOCUMENT INFORMATION**

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OEMS Sub Element	01 Operating Procedure
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Supp	Supporting Document Links		
No	Supporting Document		

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