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Project:	t2	NODE	node1
Design Intent :		System	
Design			
Conditions:		HAZOP	
Operating		Boundary	
Conditions:			
PFD, PID No. :		Date	

s of x						ent	Event	Existing Safeguards	ı	/latrix		Recommendations	No.	Action by
s of			(P/A/E/R/Q)	S	L	R	(Y/N)		S	L	R			
13 UI /	x1			4	4	I	Υ	ex1	4	3	Н	r1	rat (TOF	P-XX)
directed	x2	c1						41				r2	rat (TOF	P-XX)
re of x	x3	c2												
ne x	x4	c3											rat (TOF	P-XX)
/erse x	x5	c4											rat (TOF	P-XX)
s of x	x6													
re of x	x7												rat (TOF	P-XX)
re re /e	of :	of x3 x4 rrse x5 of x6	of x3 c2 x4 c3 rse x5 c4 of x6	of x3 c2	of x3 c2	of x3 c2	of x3 c2	of x3 c2	rected	rected x2 c1 41 r2 r2 r3 r4 (TOF of x3 c2 c2 c3 c4				

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NODE	node2
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	System HAZOP Boundary

Guide Word	Deviation	Causes	Causes	Consequences	CAT		mitiga Risk sessn		Major Accident Event		Ass	jated l essm Matrix	ent	Recommendations	Action No.	Action by
			1	(P/A/E/R/Q)	S	L	R	(Y/N)		S	L	R				
Less/Low Flow	Less of	c1			4	3	Н		5400	3	3	М	r1	MDP-Ja	ruwat P.	
MisdirectedFlow	Misdirected	c2			4	2	М		5400	3	2		r2	MDP-Ja	ruwat P.	
More/HighFlow	More of	c3												MDP-Ja	ruwat P.	
No Flow	None	c4												MDP-Ja	- aruwat P.	
Reverse Flow	Reverse	c5												MDP-Ja	_ aruwat P.	
MLess/Low Pressure	Less of	c6		İ										MDP-Ja	– aruwat P.	
More/High Pressure	More of	c7												MDP-Ja	ruwat P.	

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Project:	t2	NODE	node1
Design Intent :		System	
Design Conditions:		HAZOP	
Operating		Boundary	
Conditions:			
PFD, PID No. :		Date	

Guide Word	Deviation	Deviation Causes	Consequences	CAT		Unmitigated Risk Assessment		Major Accident Event		Existing Safeguards	Mitigated Risk Assessment Matrix			Recommendations	Action No.	Action by
				(P/A/E/R/Q)	S	L	R	(Y/N)			S	L	R			
Less/Low Flow	Less of	x1			4	4	Н	Y	ex1		4	3	Н	r1	rat (TO	P-XX)
MisdirectedFlow	Misdirected	x2	c1						41					r2	rat (TO	
More/HighFlow	More of	х3	c2												rat (TO	
No Flow	None	x4	c3												rat (TO	
Reverse Flow	Reverse	x5	c4						1						rat (TO	
MLess/Low Pressure	Less of	х6							1						rat (TO	
More/High Pressure	More of	x7							1						rat (TO	

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NODE	node2
System	
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Boundary	
Date	
	System HAZOP Boundary

Guide Word	Deviation	ation Causes	Consequences	CAT Unmitigated Risk Assessment		Risk Accident		Accident	Existing Safeguards	Mitigated Risk Assessment Matrix			Recommendations	Action No.	Action by
				(P/A/E/R/Q)	S	L	L R (Y/N)		S	L	R				
Less/Low Flow	Less of	c1			4	3	Н		5400	3	3	М	r1	MDP-Ja	ruwat P.
MisdirectedFlow	Misdirected	c2			4	2	М		5400	3	2	L	r2	MDP-Ja	ruwat P.
More/HighFlow	More of	c3												MDP-Ja	- ruwat P.
No Flow	None	c4												MDP-Ja	- ruwat P.
Reverse Flow	Reverse	c5												MDP-Ja	- ruwat P.
MLess/Low Pressure	Less of	c6												MDP-Ja	ruwat P.
More/High Pressure	More of	c7												MDP-Ja	- ruwat P.

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