

INTERLOCK NO. I-01/02/03/06
15P001A/B, 15B001, FEED, RECYCLE GAS

TAG NUMBER	P&ID	TYPE	VOTE	SETPOINT	SERVICE	FG	FC	OG	OC	PG	PC	OG	OC	FD	FC	OG	OC	SP
FT-150712A	69-P-1-15-007-3	AI	2oo3	74.52 M3/H	FEED FLOW LOW LOW	1	C	C	O					C	C	C		
FT-150712B	69-P-1-15-007-3	AI	2oo3	74.52 M3/H	FEED FLOW LOW LOW	2	C	C	O					C	C	C		
FT-150712C	69-P-1-15-007-3	AI	2oo3	74.52 M3/H	FEED FLOW LOW LOW	3	C	C	O					C	C	C		
FT-151318	69-P-1-15-013-3 (2-2)	AI	1oo1	12,800 NM3/H	RECYCLE GAS FLOW LOW LOW	4	C	C	O	C	C	O	C	C	C		SP	
TT-150315	69-P-1-15-003-3	AI	1oo1	385 °C	STACK TEMPERATURE (LOWER DAMP) HIGH HIGH	5	C	C	O	C	C	O	C	C	C			
PSLL-150401	69-P-1-15-004-3	DI	1oo2	0.115 barG	FUEL GAS PRESSURE LOW LOW	6	C	C	O									
PT-150413	69-P-1-15-004-3	AI	1oo2	0.115 barG	FUEL GAS PRESSURE LOW LOW	7	C	C	O									
PT150402	69-P-1-15-004-3	AI	1oo1	0.590 barG	PILOT GAS PRESSURE LOW LOW	8	C	C	O	C	C	O	C	C				
PSLL-150403	69-P-1-15-004-3	DI	1oo2	1.89 barG	FUEL OIL PRESSURE LOW LOW	9								C				
PT-150418	69-P-1-15-004-3	AI	1oo2	2.00 barG	FUEL OIL PRESSURE LOW LOW	10								C				
PDT-150401	69-P-1-15-004-3	AI	1oo2	1.5 barG	ATOMIZING DIFF. PRESSURE LOW LOW	11								C				
PDSLL-150402	69-P-1-15-004-3	DI	1oo2	1.3 barG	ATOMIZING DIFF. PRESSURE LOW LOW	12								C				
LSH-150460	69-P-1-15-004-3	DI	1oo1	> 50%	FUEL GAS MIX (15D018) LEVEL HIGH NOTE 2	13	C	C	O	C	C	O	C	C				
INTERLOCK I-05	69-P-1-15-012-3				DEPRESSURING (HS-151211)	14	C	C	O	C	C	O	C	C	C	C	SP	
HS-150305	69-P-1-15-003-3				FUEL GAS BYPASS	15												
HS-150306	69-P-1-15-006-3				PILOT GAS BYPASS	17				O	O	C						
HS-150307	69-P-1-15-003-3				FUEL GAS BYPASS	18							O					
HS-150334	69-P-1-15-003-3				EMERGENCY SHUTDOWN	19	C	C	O	C	C	O	C	C				
HS-150202	69-P-1-15-002-3				EMERGENCY STOP PUMP	20									SP			
HS-150203	69-P-1-15-003-3				EMERGENCY STOP PUMP	21									SP			
HS-150708	69-P-1-15-007-3				BYPASS FSL-150711/12A-C	22								O	O		BP	BP
HS-151318	69-P-1-15-013-3 (2-2)				BYPASS FSL-151318	23												BP
						24												

INTERLOCK NO. I-04
LOW LOW LEVEL OF 15D002

TAG NUMBER	P&ID	TYPE	VOTE	SETPOINT	SERVICE	C	BP
LT-150805	69-P-1-15-008-3	AI	1oo1	10%	15D002 HOT SEPARATOR DRUM LEVEL LOW LOW	1	C
						2	
HS-150810	69-P-1-15-008-3				EMERGENCY	3	C
HS-150809	69-P-1-15-008-3				BYPASS LSL-150805	4	BP

INTERLOCK NO. I-05
DEPRESSURING

TAG NUMBER	P&ID	TYPE	VOTE	SETPOINT	SERVICE	S	O	C	C	O	X	X	X
HS-151211	69-P-1-15-012-3				DEPRESSURING	1							

INTERLOCK NO. I-10
15C003 AMINE ABSORBER LEVEL

TAG NUMBER	P&ID	TYPE	VOTE	SETPOINT	SERVICE	C	BP
LT-151115	69-P-1-15-011-3	AI	1oo1	0.4%	15C003 AMINE ABSORBER LEVEL LOW LOW	1	C
						2	
HS-151115	69-P-1-15-011-3				BYPASS LSL-151115	3	BP

- NOTES:
- CLOSE FV-150711 VALVE BY SETTING 0% OUTPUT OF FIC-150711 (ONE TIME ACTION).
 - UPDATE C&E AS CORRESPONDING THE EXISTING LOGIC DIAGRAM.

- LEGEND:
- X = ACTIVATED
S = START
O = OPEN
SP = STOP
P = PERMISSIVE
AL = ALARM
AI = ANALOG INPUT
DI = DIGITAL INPUT
- C = CLOSE
ON = ON
OFF = OFF
BP = BYPASS
RS = RESET

P&ID AS Built 2021

Issued: *ymu* Date 28 JUN 2021

TE Approved: *QyD* Date 28 JUN 2021

Area Approved: *AD* Date 29 JUN 2021

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
19/12/17		UPDATE TAGS AS IMA COMMENT	NR	PNR		
18/09/17		SIL PROJECT (T/A 2017)	NR	PNR		

IRPC

IRPC PUBLIC COMPANY LIMITED

DESCRIPTION
PIPING & INSTRUMENT DIAGRAM
DK CAUSE AND EFFECT DIAGRAM INDEX

PROJECT NO.
DWG NO. 69-P-1-15-500-3-1

SCALE: NONE JOB NO. PAGE 0/0 REV. 1