

I/O LOOP LIST
INSTRUMENTATION
PRELIMINARY

Date	Name	Change																	Rev.
	Group 8: Duc Nguyen & Hieu Nguyen																		
Loop Tag	Loop Desc 1	Loop Desc 2	#	Device Tag	DCS Range	DCS Unit	Device Name	FBC slot	Card	I/O Address	AAI	AI	AO	BI	BO	Signal	Supply	Remarks	Rev.
HS-511	MIXING TANK	NaOH VALVE	1	ZSO 511	-		OPEN LIMIT	2	0	2.0.0.0				1		NO			
HS-511	MIXING TANK	NaOH VALVE	2	ZSC 511	-		CLOSED LIMIT	2	0	2.0.0.1				1		NO			
HS-511	MIXING TANK	NaOH VALVE	3	GSV 511	-		SOLENOID VALVE	2	3	2.0.3.0							6 Bar		
HS-510	MIXING TANK	WATER VALVE	1	ZSO 510	-		OPEN LIMIT	2	0	2.0.0.2				1		NO			
HS-510	MIXING TANK	WATER VALVE	2	ZSC 510	-		CLOSED LIMIT	2	0	2.0.0.3				1		NO			
HS-510	MIXING TANK	WATER VALVE	3	GSV 510	-		SOLENOID VALVE	2	3	2.0.3.1					1		6 Bar		
LS-512	MIXING TANK	LEVEL	1	LT-512	0-2000	mm	LEVEL SENSOR	3	0	3.0.0.0		1				4-20mA			
TI-517	MIXING TANK	TEMPERATURE	1	TT-517	0-100	°C	TEMPERATURE SENSOR	3	0	3.0.0.1		1				4-20mA			
HS-514	STORAGE TANK	MIXING TANK	1	ZSO 514	-		OPEN LIMIT	2	0	2.0.0.4				1		NO			
HS-514	STORAGE TANK	MIXING TANK	2	ZSC 514	-		CLOSED LIMIT	2	0	2.0.0.5				1		NO			
HS-514	STORAGE TANK	MIXING TANK	3	GSV 514	-		SOLENOID VALVE	2	3	2.0.3.2					1		6 Bar		
TI-518	STORAGE TANK	TEMPERATURE	1	TT-518	0-100	°C	TEMPERATURE SENSOR	3	0	3.0.0.2		1				4-20mA			
LS-515	STORAGE TANK	LEVEL	1	LT-515	0-5000	mm	LEVEL SENSOR	3	0	3.0.0.3		1				4-20mA			
LSA-513	POWDER TANK	LEVEL	1	LT-513	0-100	%	LEVEL SENSOR	3	0	3.0.0.4		1				4-20mA			
LSA-513	POWDER TANK	LEVEL	2	LA-513	-		LOW LEVEL ALARM	2	2	2.0.2.0				1		NO			
HS-519	PROCESS	PUMP	1	ZSO 519	-		OPEN LIMIT	2	0	2.0.0.6				1		NO			
HS-519	PROCESS	PUMP	2	ZSC 519	-		CLOSED LIMIT	2	0	2.0.0.7				1		NO			
HS-519	PROCESS	PUMP	3	GSV 519	-		SOLENOID VALVE	2	3	2.0.3.3					1		6 Bar		
FC-516	PUMP	FLOW	1	FT-516	0.01-10	m/s	FLOW SENSOR	3	0	3.0.0.5		1				4-20mA			
HIV-521	STORAGE TANK	PUMP	1	CV 521	0-100	%	CONTROL VALVE	3	1	3.0.1.0			1			4-20mA			
HIV-521	STORAGE TANK	PUMP	2	PF 521	0-100	%	POSITION FEEDBACK	3	0	3.0.0.6		1				4-20mA			
HIV-521	STORAGE TANK	PUMP	3	ZSO 521	-		OPEN LIMIT	2	1	2.0.1.0				1		NO			
HIV-521	STORAGE TANK	PUMP	4	ZSC 521	-		CLOSED LIMIT	2	1	2.0.1.1				1		NO			
HIV-521	STORAGE TANK	PUMP	5	GSV 521	-		SOLENOID VALVE	2	3	2.0.3.4					1		6 Bar		
MX01	MIXING TANK	POWDER FEED	1	MX01 ST	-		MX01 START	2	3	2.0.3.6									