Target iPro Site Validation Process

en ک	naıı - <u>cpcsup</u>	port@emccontrols.com EMC Office - 608 822 3550 ext. 301		
1.	Contractor to Confirm what high pressure valve (HPV) is installed? (Take Picture)			
	a. M	lake & Model		
2.	Contracto	r to Confirm what vessel bypass valve BPV is installed? (Take Picture)		
	a. V	lake & Model		
3.	. Contractor to email valve Pictures to EMC to validate correct specification. cpcsupport@emccontrols.com			
4.	EMC to pe	erform a back up of the E2 prior to any updates.		
5.	. EMC to initiate case shutdown event to pump down rack.			
6.	. EMC to load updated iPro description file (Rev21) to E2 and reset E2 controller.			
7.	r to validate drop leg temperature sensors (Take Pictures)			
	b. W c. A d. Er	re there (2) temperature sensors installed? Yes No /hat type of sensor manufacturer is installed? Emerson ACI EMC re they located within 24 inches of the gas cooler header? Yes No nsure the sensors are clamped to drop leg pipe at the 4 o'clock and 8 o'clock positions sing a mechanically fastened clamp/strap?		
	- 4			
		re the sensors insulated using ArmaFlex with 1 inch wall thickness to a minimum of 12 ches long and protected with PVC jacket? Yes No		
		erify (1) sensor is terminated to the iPro T1 Input (Pb1)		

g. Verify (1) sensor is terminated to the MulitFlex Input board (confirm with EMC)

8. Contractor to validate drop leg pressure transducers (Take Pictures)

	a.	Are there (2) pressure transducers installed	on the drop leg pipe between the gas cooler			
		and high pressure valve? Yes No				
	b.	Are the transducers 0-2000 psi? Yes No				
	c.	Are the transducers installed in a vertical po	sition? Yes No			
d. Verify (1) sensor is terminated to the iPro P1 Input (Pb2)						
	e.	Verify (1) sensor is terminated to the MulitF	lex Input board (confirm with EMC)			
9.	Contra	ctor to validate vessel pressure transducers (Take Pictures)			
a. Are there (2) pressure transducers installed?						
	b.	What pressure range transducers are install	ed?			
		iPro Input	MultiFlex Input Board			
		0-650 psi	0-650 psi			
		0-1000 psi	0-1000 psi			
	•	Are the transducers installed in a vertical ne	sition? Vos No			
c. Are the transducers installed in a vertical position? Yed. Verify (1) sensor is terminated to the iPro P2 Input (Pl						
• • •		Verify (1) sensor is terminated to the MulitF	• • •			
	е.	verify (1) sensor is terminated to the industr	iex input board (commit with Ewic)			
10.	. Contractor to confirm location of ambient temp sensor. (Take Picture)					
	a.	What type of sensor manufacturer is installed	ed? EmersonACIEMC			
	b.	Confirm sensor is not in direct sunlight.				
11.	Contra	ctor to confirm location of air-on Gas Cooler s	sensor.			
	a.	What type of sensor manufacturer is installed	ed? Emerson ACI EMC			
 b. Dry Gas Cooler – sensor to be located under gas cooler within air stream sunlight. 			gas cooler within air stream out of direct			
	c.	Adiabatic Gas Cooler – sensor to be located between wet pad and gas cooler coil without touching coil or getting wet.				
	d.	Force Adiabatic gas cooler into full water mowetness level of pads.	oder and take pictures of both sides showing			
12.	Contra	ctor to provide pictures of Gas Cooler.				
	a.	Dry Gas Cooler – is the coil clean? Yes	No			
	b.	Adiabatic Gas Cooler – is the coil clean? Yes	No			
		Adiabatic Gas Cooler – Are the pads fully we				
13.	Contra	ctor to provide pictures of iPro Controller inst	tallation.			
	a.	Include pictures of iPro, XEV20D, XEC and tr	ansformers.			

- 14. EMC to program correct valve settings in iPro High Pressure Controller after contractor confirms valve types.
- 15. EMC to program redundant back up sensors into new description file after contractor confirms sensor locations and types.
- 16. EMC to update the following setpoints.

HPV Mode Setpoint	87 DF
HPV Mode Hysteresis	4 DDF
HPV Subcool Setpoint	5 DDF

- 17. Contractor to power cycle iPro Controller once EMC confirms programming updates have been confirmed.
- 18. EMC to perform a back up of the E2 after updates are made.
- 19. EMC to re-enable circuit loads to restart rack.
- 20. Contractor to send all pictures and information to EMC to file. cpcsupport@emccontrols.com