PTW Safety Checklist No. 53



PRESSURE TESTING OF PLANT AND EQUIPMENT

Other Checklists that may be relevant: 18, 27, 54			<u>18, 27, 54</u>			
Permit Number: Date:			Date:			
Rev 2.1 Iss		ssue Date: 12/12/2022	Authorised By: PS	SM		
CAL 1	depres	tested pipework and/or vessels have sured, including both sides of NRV' odraining liquids, ensure high point n.	s or valves.			
PRI	OR TO PE	RMIT ISSUE:				
2		conducting Pressure tests refer to <u>Pip</u> ion Standard.pdf Section 6:Testing	ing Design, Fabrication and	Y	N	N/A
3		nt has been checked thoroughly and a operating correctly and within certification.				
4	Are there occur?	situations where excessive pressure	due to thermal expansion could			
5		e pressure source has a relief valve s maximum design pressure of the sys	•			
6	-	sure has been specified in test proced sure:	ure			
7		est medium, and any additives. <u>Piping</u> <u>n Standard.pdf</u> section 6:Testing	Design, Fabrication and			
	Medium:	_Additives:				
8		ensure total gross weight of vessels a es not exceed maximum design specif				
9	HYDROT Safe dista • D • a	o Hydrotest Excel calculator, open spr EST SAFE DISTANCE CALCULATOR ance = (0.15)x(D)x(a)^0.4x(p)^0.6 who = Internal diameter (m) = Length/diameter of the piece (m) = Test pressure (bar)	R. URL			
	ENERGY or paste i	is link for Internet Pneumatic test: <u>SAF CALCULATOR</u> nto web browser https://www.piping-wergy-calculator-pneumatic-test				

• On Calculator, scroll down web page for answer in blue field

Record Safe Distance for exclusion zone here: _____m

PRIOR TO COMMENCING TASK:				N/A				
10	The pipework is adequately anchored / supported.		N					
11	Ensure that all attachments i.e., relief valves or instruments, excluded from the test have been removed and / or isolated as agreed by procedure.							
12	All temporary materials are of the correct rating for the test, i.e., flanges, spades, gaskets etc.							
13	Ensure that the test relief valve exhaust is routed to a safe location.							
14	Signs and barriers are positioned at safe distance as per item 8 calculation to warn personnel of operations in area(s) as per <u>Temporary Barriers and Barricades Standard Operating Procedure.pdf</u>							
15	Ensure all securing device i.e., back up jump chains, safety pins and whip checks are correctly attached across hose connections.							
ON COMPLETION OF TASK:								
16	Ensure System has been drained and is free from water contamination that could cause a hydrate.	Y	N	N/A				
17	Ensure testing medium is disposed of appropriately.							
18	A 'line walk' has been conducted to ensure all equipment is reinstated as per procedure.							