



AE SMITH

A SPOTLESS COMPANY

NZC10013 - Waikeria Prison Development Project

****SAMPLE REPORT** AES-NZ1005-STE-ITP-PMT-0024 - DCW Pipework Hydrostatic Pressure Test**

Report summary





Name	Status	Last Activity
SAMPLE REPORT AES-NZ1005-STE-ITP-PMT-0024 - DCW Pipework Hydrostatic Pressure Test - page 3		18 Apr 2023 8:45am pass

SAMPLE REPORT AES- NZ1005-STE-ITP-PMT-0024 - DCW Pipework Hydrostatic Pressure Test




1.0 MATERIAL COMPLIANCE




1.1	RDM & Consent Approval - CPB Hold Point		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:41am
CRITERIA - RDM approval tracker Consent approval tracker			
Signature		Michael Colin Simpson	18 Apr 2023 8:41am
Signatory	CPB		
1.2	General - CPB Hold Point		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:41am
CRITERIA - For all materials, a certificate of compliance shall be provided to the Client Rep. before the materials are incorporated into the works.			
• Specifications & QA Documents Approved			
• Drawings are confirmed			
• Equipment fit for purpose			
Signature		Michael Colin Simpson	18 Apr 2023 8:41am
Signatory	CPB		


2.0 CONNECT PRESSURE PUMP TO DCW RING MAINS

2.1	Confirm Flushing & Disinfection of Pipework - CPB Hold Point		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:42am
CRITERIA - 1. Air should be removed at each building prior to the DCW water supply water entry assembly to prevent debris from entering building.			

2.1	Confirm Flushing & Disinfection of Pipework - CPB Hold Point		
	2. Ensure system sterilization completed.		
	3. Ensure TNK filtration is cleaned/ inspected if not isolated from test.		
	4. Ensure all screens/ strainers are cleaned/ inspected if not isolated from test.		
	Signature		Michael Colin Simpson 18 Apr 2023 8:42am
	Signatory	CPB	
2.2	Accept delivery of pump to site		
	Status	Pass	Michael Colin Simpson 18 Apr 2023 8:42am
	CRITERIA - 5. Check pump is rated for pressure test		
	6. Check all supplied attachments are correct and in good order		
	7. Check fluid levels & fill as necessary		
2.3	Isolate: Mains water Storage Tanks		
	Status	Pass	Michael Colin Simpson 18 Apr 2023 8:42am
	CRITERIA - 1. Check Mains water is isolated		
	2. Check Storage Tank is isolated		
2.4	Connect pump to DWC ring mains		
	Status	Pass	Michael Colin Simpson 18 Apr 2023 8:42am
	CRITERIA - Confirm connections are safe and correct		
2.5	Connect calibrated gauges for pressure test		
	Status	Pass	Michael Colin Simpson 18 Apr 2023 8:42am
	CRITERIA - Confirm position is correct, gauge is in good order for test & calibrated		
	Attach calibration certificate		Michael Colin Simpson 18 Apr 2023 8:42am

3.0 HYDROSTATIC TEST

3.1	Fill DWC ring mains with domestic water		
<u>Status</u>	Pass	Michael Colin Simpson	18 Apr 2023 8:42am
CRITERIA - Completely fill closed loop system with water releasing all air from the Taps at each Building			
3.2	Gradually increase system pressure to 1550kPa		
<u>Status</u>	Pass	Michael Colin Simpson	18 Apr 2023 8:44am
CRITERIA - Slowly raise system pressure to 1550kPa			
• Checking for any signs of leaks or pressure drops			
3.3	Stabilize 1550kPa pressure (START WITNESSED) - CPB/IR Hold Point		
<u>Status</u>	Pass	Michael Colin Simpson	18 Apr 2023 8:42am
CRITERIA - Record START time & photograph gauge			
• All relevant parties to witness starting pressure of 1550kPa			
Signature		Michael Colin Simpson	18 Apr 2023 8:43am
Signatory	CPB		
Signature		Michael Colin Simpson	18 Apr 2023 8:43am
Signatory	IR		
Attach photograph		Michael Colin Simpson	18 Apr 2023 8:42am
3.4	Hold 1550kPa pressure for 35min (END WITNESSED) - CPB/IR Hold Point		
<u>Status</u>	Pass	Michael Colin Simpson	18 Apr 2023 8:43am
CRITERIA - Record FINISH time & photograph gauge			
• All relevant parties to witness pressure of 1550kPa			
Signature		Michael Colin Simpson	18 Apr 2023 8:43am
Signatory	CPB		

3.4	Hold 1550kPa pressure for 35min (END WITNESSED) - CPB/IR Hold Point		
Signature		Michael Colin Simpson	18 Apr 2023 8:44am
Signatory	IR		
Attach photograph		Michael Colin Simpson	18 Apr 2023 8:43am
3.5	Pressure released or reduced for next test		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:44am
CRITERIA - Supervisor to ensure energy (pressure) is only stored while under test			
3.6	Discharge pressure leave system in a safe state		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:44am
CRITERIA - Discharge system pressure, ensure area is left in a safe state meeting site requirement			

4.0 COMPLETION RECORDS

4.1	Testing Results - CPB/IR Hold Point		
Status	Pass	Michael Colin Simpson	18 Apr 2023 8:44am
CRITERIA - All pipework pressure test reports shall be provided			
Signature		Michael Colin Simpson	18 Apr 2023 8:44am
Signatory	CPB		
Signature		Michael Colin Simpson	18 Apr 2023 8:44am
Signatory	IR		

Attachments

