PERIODIC INSPECTION RECORD									
FREEZE PROTECTION CIRCUITS-					7				
Perform these checks as season requiring use approaches									
Temperature Maintenance Circuits Perform these checks at least twice per year Circuit Number]			_				
Circuit Lenth									
Heat Type									
MAINTENANCE CHECKS FOR		<u>l</u>							
Visual inspection inside connection box corrosion, moisture, etc.	Initial								
	Date								
Damage or cracks (leaks) in insulation seals at valves, hangers, pumps, etc.	Initial								
	Date								
Heater cable properly connected and grounded; Heater cable and connections insulated from connection box	Initial								
	Date								
Thermostat checked for moisture, corrosion, set point, switch operation, and capillary damage	Initial								
	Date								
Megger tests performed at power connection with both bus wires disconnected from power wiring	Initial								
	Date								
Circuit voltage at power connection	Initial								
	Date								
Circuit amperage after 5 minutes	Initial								
	Date								
Pipe temperature at time amps were measured	Initial								
	Date								
Watts/Ft Volts x Amps = W/Ft.	Initial								
Feet	Date								
All connections, boxes, and thermostats have been resealed	Initial								
	Date								
End seals, covered splices and tees marked on insulation cladding	Initial								

Remarks and Comments

Date

This form is meant to be used:	
	The results of periodic tests of a single circuit are posted in vertical columns, beginning on the left and working toward the right. This allows easy comparison of test values for up to 7 test sequences on a single circuit.
B) 1 circuit per column	Test data for a single test sequence can be recorded on a single sheet.

HEAT TRACE INSTALLATION RECORD

Location	System	Project Number	Reference Drawing(s)						
Trace Heater Number	Line Number	Area Classification	AIT/T-Classification						
Panel Number	Location	Circuit Number	Circuit Amp/Voltage						
Trace Heater Mfg	Heater Model	Trace Heater Wattage Unit Length/Voltage Rating							
Meghommeter Manufacturer/Model		Voltage Setting	Accuracy/Full Scale						
Meghommeter date of last ca	alibration								
Multimeter Manufacturer/Model		Ohm Setting	Accuracy/Full Scale						
TRACE HEATER TESTING:		Test Value/Remarks	Date	Initials					
	eculation resistance s		um acceptable test voltage is 500 Vdc.	Date	Initials				
However 1000 Vc recommer			ani acceptable test voltage is 300 vuc.						
1. Receipt of Material on Ree					<u>-I</u>				
Continuity Test on Reel (see									
Insulation Resistance Test on	Reel			, I	.1				
2. Piping Completed (Approv									
3. After Installation									
Continuity Test (See note 1)									
Insulation Resistance Test									
4. Trace heater installed (approval to start thermal insulation installation)									
Trace heater correctly installed on pipes, vessel or equipment									
Trace heater correctly install									
Comonents correctly installe									
Installation agrees with man									
5. Thermal Insulation Installa	ation Complete				<u>-L</u>				
Continuity Test (See note 2)									
Insulation Resistance Test (5									
SYSTEM INSPECTED					_1				
6. Tagging & Identification Co									
7. Trace heater effectively gr									
8. Temperature Controls Pro									

9. Ex-Proof Seals Poured						
10. Thermal Insulation Weathertight (all penetrations sealed)						
11. End Seals, Covered Splices Marked on Insulation Outer Cladding						
12. Drawings, Documentation Marked As-Built						
Performed by	Company	Date				
Witnessed by	Company	Date				
Accepted by	Company	Date				
Approved by	Company	Date				

NOTES

- 1-Minimum acceptable insulation resistance should be 20 megohm. Minimum acceptable test voltage is 500 Vdc. However, 1000 Vdc recommend for MI, 2500 Vdc for polyeric trace heaters.
- 2- Continuity test on self-regulating trace heater only used for short or open circuit.

The Heat Trace Installation Record can be used to monitor the initial installation and check out process. This form can be used in conjunction with the Periodic Inspection Record.