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To: _____ From:_____

Fax #:_____ Date:_____

ELECTRIC HEAT TRACING OF PIPES DESIGN CRITERIA

To determine the best-suited heat trace cable and accessories for your application, please provide the following required information.

1. Pipe Length: _____
2. Pipe Diameter: _____
3. Above Ground or Buried: _____
4. Pipe Material (Plastic or Steel): _____
5. Insulation Type & Thickness: _____
6. Temperature to be Maintained: _____
7. Minimum Ambient Temperature: _____
8. Voltage Available (Preferred & Alternate): _____
9. Area Classification (Non-Haz / Div 1 / Div 2): _____

9A. T-Rating or AIT: _____

10. **Maximum Exposure Temperature:** _____
(Highest temperature pipe wall will reach due to process temperatures or steam out conditions, if applicable)

11. In Line Heat Sinks, such as Pipe Supports, Valves, Pumps, etc. (Quantity & Type):

_____

12. Control Required: Yes: ☐ No: ☐ Existing: ☐ (Thermostat: ☐ / Electronic: ☐)

Example:

1.	80 feet Length	7.	– 40°C Coldest Possible Outside Temperature
2.	2” Diameter	8.	120 Volt Only
3.	Above Ground	9.	Cl I, Division 2, Hazardous Area
4.	Carbon Steel Pipe	9A.	T2A (280°C)
5.	2” Fibreglass	10.	44°C
6.	+ 5° C (Freeze Protection)	11.	10 Pipe Supports / 2 Valves / 1Pump
		12.	Yes, Thermostat

Note:
Design based on temperature maintenance conditions. Any heat-up and/or flow conditions would require further analysis.