

LIQUID HEATING SURVEY FORM POWER FLAME INCORPORATED



Company _____	Name _____
Address _____	Position _____
_____	Telephone _____
_____	Fax _____
Date _____	E-Mail _____

Process Line

Tank Identification

Dimensions: Length - _____ Ft Width - _____ Ft Depth - _____ Ft
Liquid Depth - _____ Ft

Insulation:

Yes No Thickness - _____ in

Top Surface:

No Lid Lid Single layer ball blanket Double layer ball blanket
Lip extract from 1 side Lip extract from 2 sides
Other (specify) _____ Check as applicable

Contents:

Description of Solution - _____ Specific Gravity of solution - _____
Operating temp of Solution _____ ° F Specific Heat (if known) - _____
Supplier (where applicable) - _____

Solution Make-up:

Amount of Solution supplied to make-up losses - _____ gph
Incoming temperature of make-up _____ ° F

Product Flow:

Weight of material passing through tank per hour - _____ lb.
Type of material - _____
Weight of carriers, tracks, etc., passing through tank per hour _____ lb.
Type of carrier material - _____
Incoming temperature of product - _____ ° F

Any Other Loses: (e.g. spray losses)

Description - _____

Amount - _____ BTU/hr or _____ Spray Rate @ _____ ° F Temperature Drop

Solution Heat-up time required - _____ Hrs from start temperature of _____ ° F

Time during day when required at temperature - From _____ To _____

Days of week when operation - _____

Minimum Ambient Temperature _____ ° F

Jobsite Altitude _____ Ft above Sea Level

Existing System:

Type - _____

Steam, gas, oil or electrical consumption for this tank (if known) - _____

Fuel and Electrical Requirements:

Fuel Natural Gas Propane Butane

Pressure available _____

Electrical Supply Voltage - _____ Phase - _____ Frequency - _____

Control Circuit Voltage - _____

Gas Train/Controls Required: STD FM IRI Check as Applicable

Existing Heating System Sketch:

1. Indicate tank side on which burner will mount - _____

2. Indicate free area available for heat exchanger coil - _____

Reason for Consideration of Change of Heating Method (where applicable):

Additional Comments:

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