

Therma-Flite Screw Heater / Dryer Questionnaire

Name _____ Title _____ Date _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ e-mail _____

How did you learn of Therma-Flite? _____

Material Specifications

Material processed _____ Volatiles _____

Bulk Density: Initial _____ lb/ft³ Final _____ lb/ft³

Moisture content: Initial _____ % wet by wt. Final _____ % wet by wt.

Specific heat: Solids _____ Btu / lb °F Volatiles _____ Btu / lb °F

Volatiles' boiling point _____ °F Volatiles' latent heat of evaporation _____ Btu / lb

Any bound moisture? _____ Particle size (min. / max.) _____

Flow characteristics? _____ Angle of repose _____ °

Is the material? Sticky Corrosive Abrasive Explosive Toxic

Does the material? Melt Soften Agglomerate Cake Degrade

Explain: _____

Process Specifications

Feed rate _____ lbs / hr Retention time (max. / min.) _____ minutes

Inlet temperature _____ °F Desired discharge temperature _____ °F

Heating Medium Specifications

Medium _____ (If steam: Superheated Saturated)

Inlet temperature _____ °F Discharge temperature _____ °F

Flow rate (max.) _____ (fluid – GPM; steam – lbs / hr.) Pressure (max) _____ psig

Equipment Specifications

Overall length _____ ft. Height _____ ft. Width _____ ft.

CL-inlet / CL-discharge length _____ ft. Angle of inclination _____ °

Material of construction _____ Surface finish _____

Code requirements _____ Electrical requirements _____

Will equipment be operated under pressure or vacuum? Explain _____

Other physical constraints: _____

Other Specifications

Installation environment (indoor / outdoor / explosive etc.) _____

Plant elevation _____ ft. Ambient temperature (min. / max.) _____ °

How is the material currently heated / dried? _____

Estimated date of installation _____ / _____ / _____

Comments _____