Level Application Questionnaire
RF CAPACITANCE

Magnetrol ®

REFERENCE INFORMATION

Customer: _____ Date: _____

Contact Name: _____ Phone: _____ Email: _____

End User Location: _____

Tag Number(s): _____

Submitted by: _____ Rep Agency: _____

FOR OFFICE USE:

INSTRUMENT

Instrument Function: ☐ Transmitter ☐ On-Off Control ☐ Alarm ☐ Other _____

Model Number: Electronics _____ Probe _____ Cable _____

Quantity: _____

PROCESS DATA

Process Name/Description: _____

Process Media: _____

☐ Liquid: % Concentration _____ ☐ Slurry % Solids _____

Process Temperature: ☐ Ambient _____ min. _____ max. ☐ ° F ☐ ° C ☐ Other _____

Process Pressure: ☐ Atmospheric _____ min. _____ max. ☐ PSIG ☐ Bar ☐ KPA ☐ Other _____

Temperature at Instrument: ☐ Ambient _____ min. _____ max. ☐ ° F ☐ ° C ☐ Other _____

Environment: ☐ Normal ☐ Corrosive ☐ Salt ☐ Flood Maximum Viscosity: _____ centipoise

Agency: ☐ FM ☐ CSA Area Classification: ☐ General Purpose ☐ Hazardous: Class____ Division____ Groups _____

☐ ATEX EEx _____ Hazardous Area Design: ☐ Explosion-proof ☐ Intrinsically Safe ☐ Non-incendive ☐ Other

Remote Instrument (if applicable): _____

Required Materials of Construction: _____

Vessel Type: ☐ Vertical Cylindrical ☐ Horizontal Cylindrical ☐ Sphere ☐ Sump/Pit ☐ O.C.F. ☐ Other _____

Vessel Size: Height _____ Width _____ Diameter _____ Unit of Measure _____

Type of Filling: ☐ Top ☐ Bottom ☐ Side (At what level? _____)

Liquid Surface: ☐ Calm ☐ Moderate Turbulence ☐ Vortex ☐ Flowing Foam Present: ☐ Yes ☐ No

Agitation: ☐ No ☐ Yes ☐ During Filling ☐ During Emptying ☐ Between Fill and Empty # and Size of Blades _____
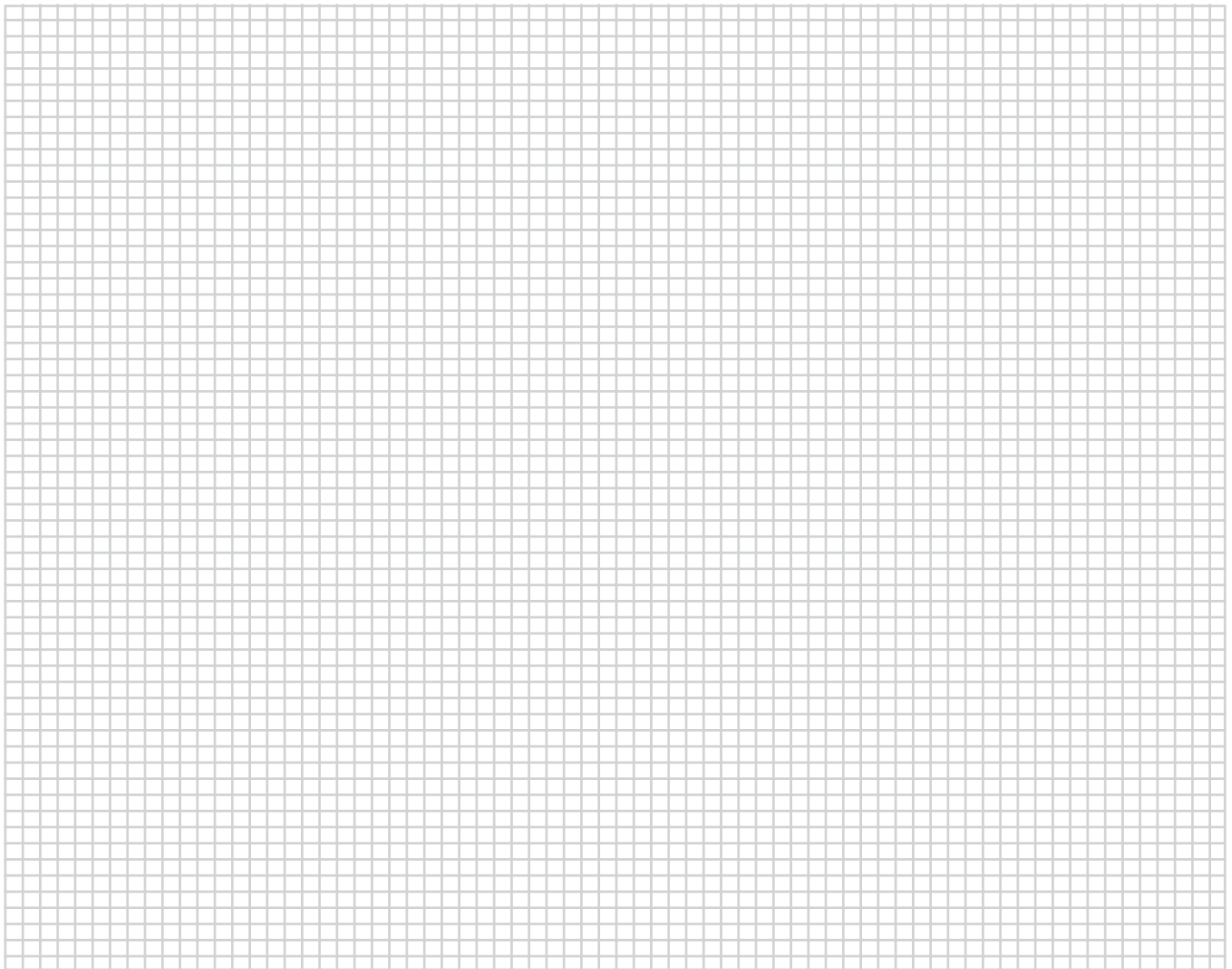
Other Objects in Vessel: ☐ No ☐ Yes _____ (Include sketch on page 2.)

PERFORMANCE

What is the maximum_____ and minimum _____ level height of the material?: Unit of Measure:_____

The typical operating level is _____ Unit of Measure: _____

Accuracy Required: During filling: _____% During emptying: _____%

When level is stationary: _____% When level is stationary and agitated: _____%

RF CAPACITANCE

Media Constants: Dielectric Constant: _____ Conductivity: _____ (μ siemen/cm) Varies? ☐ No ☐ Yes, from _____ to _____

Will Media Coat Probe? ☐ No ☐ Yes ☐ Solids % Moisture: _____

Tank Material of Construction: ☐ Metal Lined: ☐ Yes ☐ No Coated: ☐ Yes ☐ No Plastic: ☐ Yes ☐ No

Span: _____ Unit of Measure: _____

☐ Interface Dielectric of Second Material: _____ Emulsion Layer: ☐ No ☐ Yes (If yes, thickness: _____)

REMARKS

FOR FACTORY USE ONLY

Date Received: _____   Proposal/Order Number: _____

☐ Application Accepted By:_____   Date: _____

☐ Application Forwarded to Engineering for Review By:_____   Date: _____

☐ Application Rejected By: _____   Date: _____

Reason for Rejection: