SLIDE GATE / DIVERTER VALVE APPLICATION SHEET

Name___________________________ Title_________________
Company_____________________________________________
Address______________________________________________
City_________________________ State______ Zip___________
Phone_____________________ Fax_______________________
Email________________________________________________

Sketch of where valve fits in system:

EQUIPMENT INFORMATION
Opening size:_____. □ round □ square □ rectangular
Valve position: □ horizontal □ vertical □ angle (specify)
Valve function: □ open/close □ intermittent position(s)
Will valve close through material? □ Y □ N
Cycle frequency: _____ x / hour _____ hours / day
Actuator required: □ air □ chain wheel □ hand crank
□ electric (□ TENV □ IIG) □ hand wheel
Valve will see: □ NO differential pressure - gravity only
□ pressure - ____ psig □ vacuum____H20____Hg
Valve fed by:
Pressure upstream:
Valve discharges to:
Pressure downstream:

MATERIAL INFORMATION
Material conveyed: _______________________
□ powder □ granular □ other __________
Material characteristics: □ builds up
□ packable □ hygroscopic □ sticky/tacky
Material hardness: (sand) 10......5......1 (flour)
Mat’l abrasiveness: □ high □ moderate □ low
Mat’l corrosiveness: □ high □ moderate □ low
Material recovery to:
Metall(s) _________ Polymer (s)________
Weight (cu ft) _________ Particle Size _________
Temp of material: F______ C________
Flowability: (bridges) 10.......5.......1 (free flow)
Is material aerated/vibrated to assist in flow?
□ Y □ N How?__________________________

INSTALLATION OF EQUIPMENT
Gate flanges: □ std □ SVC □ ANSI □ Custom
specifics:__________________________
Transition: □ alum □ carbon □ 304ss □ 316L
Valve connection: □ compression coupler
□ standard flange □ ANSI flange

IF DIVERTER VALVE
Valve diverts material from _____ source to _____
destinations (if gravity diverter)
Require ability to shut off both ports □ Y □ N
□ Std 60° off leg □ optional 45° off legs
If flapper style: □ straight line w/45°off leg □ opt 30°
□ dual 45° □ optional 30°
If pneumatic conveying:
Line type: □ tube □ pipe schedule □ 10 □ 40
Material contact: □ alum □ carbon □ 304ss □ 316L

ENVIRONMENT
Valve is located: □ indoors □ outdoors
Is wash down performed? □ Y □ N
Temp:__________ □ F □ C

AIR CONTROL VALVES
□ single solenoid □ double solenoid
NEMA □ 4 □ 7/9 Vltg: □ 110v □ 220v □ 24v □ ac □ dc
INDICATING SWITCHES
□ NEMA 4 □ NEMA 4x □ NEMA 7/9
□ Magnetic Reed - 3 amp 1/2 amp
□ Mechanical □ Proximity

Application Data Sheet prepared by: _______________________________ Date:_______________