

NFPA ROTARY AIRLOCK FEEDER APPLICATION DATA SHEET



Company _____	Date _____
Contact _____	Salesperson _____
Phone _____	Fax _____
Job Ref _____	GLAP# _____

NFPA EXPLOSION MITIGATION STRATEGY

<input type="checkbox"/> NFPA 68 - Venting (Employed by Others) <input type="checkbox"/> NFPA 69 - Suppression (Employed by Others) <input type="checkbox"/> NFPA 69 - Isolation (12.2.3.2) P(red) _____ * Required Kst of Material _____	<input type="checkbox"/> NFPA 8503 - 50 PSIG Containment <input type="checkbox"/> NFPA 654 - Containment _____ PSIG/BARG Containment Pressure <input type="checkbox"/> NFPA - Other (Please Specify) _____ _____
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FUNCTION OF VALVE	MATERIAL CHARACTERISTICS
<input type="checkbox"/> Airlock <input type="checkbox"/> Feeder <input type="checkbox"/> Airlock / Feeder	COMMON NAME: _____ CHEMICAL FORMULA: _____ BULK DENSITY, AERATED: _____ Lbs./Cu.Ft. BULK DENSITY, SETTLED: _____ Lbs./Cu.Ft. MAXIMUM PARTICLE SIZE: _____ PARTICLE TYPE/SHAPE IS: <input type="checkbox"/> PELLET <input type="checkbox"/> POWDER <input type="checkbox"/> CHIP <input type="checkbox"/> LUMP <input type="checkbox"/> GRANULAR <input type="checkbox"/> FLAKE <input type="checkbox"/> CURL <input type="checkbox"/> FIBROUS MESH SIZE-ANGLE OF REPOSE IS: _____° _____%THRU 1/2" _____%THRU 1/4" _____%THRU 1/8" _____%THRU 1/16" _____%THRU 25 _____%THRU 50 _____%THRU 100 _____%THRU 200 _____%THRU 400 FLOWABILITY: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> SLUGGISH MOISTURE CONTENT OF MATERIAL IS: _____% TEMPERATURE OF MATERIAL IS: _____°F SPECIAL CHARACTERISTICS: <input type="checkbox"/> HYGROSCOPIC <input type="checkbox"/> CORROSIVE-REACTIVE <input type="checkbox"/> EXPLOSIVE <input type="checkbox"/> TOXIC-EMITS FUMES <input type="checkbox"/> STICKY-SMEARS <input type="checkbox"/> HEAT SENSITIVE <input type="checkbox"/> AERATES-DUSTY <input type="checkbox"/> TENDS TO PACK <input type="checkbox"/> OTHER: _____ ABRASIVENESS: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> MILD ALLOWABLE MATERIAL DEGRADATION IS: _____%
WHAT IS ABOVE VALVE?	
VALVE IS INSTALLED BENEATH: <input type="checkbox"/> HOPPER <input type="checkbox"/> SILO <input type="checkbox"/> BAGHOUSE <input type="checkbox"/> CYCLONE <input type="checkbox"/> FILTER RECEIVER <input type="checkbox"/> SCREW <input type="checkbox"/> SHREDDER <input type="checkbox"/> DRYER <input type="checkbox"/> MIXER <input type="checkbox"/> OTHER: _____ PRESSURE ABOVE VALVE IS: <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____"Hg _____"H2O TEMPERATURE ABOVE VALVE IS: _____°F IS VALVE CHOKE-FED? <input type="checkbox"/> YES <input type="checkbox"/> NO HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW	
WHAT IS BELOW VALVE?	
VALVE IS INSTALLED ABOVE: <input type="checkbox"/> HOPPER <input type="checkbox"/> SCREW <input type="checkbox"/> AIRSLIDE <input type="checkbox"/> BELT <input type="checkbox"/> CHUTE <input type="checkbox"/> MIXER <input type="checkbox"/> TANK <input type="checkbox"/> VACUUM LINE <input type="checkbox"/> PRES. LINE <input type="checkbox"/> OTHER: _____ PRESSURE BENEATH VALVE IS: <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____"Hg _____"H2O TEMPERATURE BENEATH VALVE IS: _____°F DIAMETER OF CONVEYING LINE IS: _____ HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW	
	OPERATING CONDITIONS
	CONSTANT RATE OF FLOW PER HOUR: _____ Tons _____ Lbs. _____ Cu.Ft. VARIABLE FEED RATE (IF REQUIRED) MAX: _____ AVG: _____ MIN: _____ DUTY CYCLE: <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> INTERMITTENT COMMENTS: _____ _____