



Apex Industrial Solutions, Inc.
 113 Chelsea Rd, Monticello, MN 55362
 763-777-9525
 Sales@ApexSolutionsMN.com
 www.ApexSolutionsMN.com

CUSTOMER		DATE	
PHONE #		EMAIL	
COMPANY		PLANT LOCATION	
PROJECT			

ENVIRONMENT

Type	<input type="checkbox"/> New Installation		<input type="checkbox"/> Existing Circuit			
Piping	<input type="checkbox"/> Rigid Pipework		<input type="checkbox"/> Line Part(s) Dismountable			
Pipe Line Length	"	Height Difference	"	Pipe ID	"	
Pipework Style	<input type="checkbox"/> Stainless Steel	<input type="checkbox"/> Hose	<input type="checkbox"/> Other			
Pipework Connections	<input type="checkbox"/> Seamless	<input type="checkbox"/> Welded-Bead Cold Rolled	<input type="checkbox"/> Other			
Connections Quality	<input type="checkbox"/> Manual (TIG Welds)	<input type="checkbox"/> Orbital	<input type="checkbox"/> Other			
Pipe Accessories	<input type="checkbox"/> Insulated	<input type="checkbox"/> Jacketed	<input type="checkbox"/> Other			
Union Connections	<input type="checkbox"/> SMS Union	<input type="checkbox"/> DIN Union	<input type="checkbox"/> Clamp Union			
	<input type="checkbox"/> RJT Union	<input type="checkbox"/> Flange	<input type="checkbox"/> Other			
Bend Radius	°	Branch-T	<input type="checkbox"/> Yes*	<input type="checkbox"/> No	*If Yes, Diameter of Branch-T	"
Passage-Through Valve	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Valve Type(s)			

MATERIAL CHARACTERISTICS

Temperature	°F	Density		Viscosity	
Characteristics	<input type="checkbox"/> Abrasive	<input type="checkbox"/> Crystallizing	<input type="checkbox"/> Charged	<input type="checkbox"/> Other	
Particle Type		Working Pressure	PSI	Max Pressure	PSI

REQUIREMENTS

Specific Study	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Remote Control	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Installation on Site	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
----------------	------------------------------	-----------------------------	----------------	------------------------------	-----------------------------	----------------------	------------------------------	------------------------------

TESTS

Validation	<input type="checkbox"/> Required	<input type="checkbox"/> No Choice Made	<input type="checkbox"/> Considered Essential
------------	-----------------------------------	---	---

ROUTE

Unidirectional Scraping	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Bidirectional Scraping	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Return In-Line	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Return Out-of-Line	<input type="checkbox"/> Yes	<input type="checkbox"/> No

MANAGEMENT

Type	<input type="checkbox"/> Manual	<input type="checkbox"/> Semi-Automatic	<input type="checkbox"/> Automatic*
*If Automatic	<input type="checkbox"/> Local	<input type="checkbox"/> Integrated	

STATIONS

Type	<input type="checkbox"/> In-Line	<input type="checkbox"/> Out-of-Line	<input type="checkbox"/> Dependent on Process
Number of Pigs			

DETECTION

In Station	<input type="checkbox"/> Inductive	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Standard	<input type="checkbox"/> NAMUR (Hazard Area)
In Line	<input type="checkbox"/> Inductive	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Standard	<input type="checkbox"/> NAMUR (Hazard Area)

FORWARD PROPELLANT

Air/CO ₂ /N ₂ ...		Water/CIP	
Process Product		Undetermined	<input type="checkbox"/> Yes <input type="checkbox"/> No

RETURN PROPELLANT

Air/CO ₂ /N ₂ ...		Water/CIP	
Process Product		Undetermined	<input type="checkbox"/> Yes <input type="checkbox"/> No

CIP OF THE LINE

CIP	At Each Modification/Change of Product	At End of Cycle	Other Conditions
Standard (Acid/Base)			
Sanitation			
Sterilization			

CIP OF THE STATIONS

At the Same Time as the Line	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Independently	<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------	------------------------------	-----------------------------	---------------	------------------------------	-----------------------------

CIP	At Each Modification/Change of Product	At End of Cycle	Other Conditions
Standard (Acid/Base)			
Sanitation			
Sterilization			

PIG MOVEMENT CONDITIONS

Free Moving (Depending Only on Scraping Parameters)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Movement Regulated by Flow Characteristics of Other Equipments	<input type="checkbox"/> Yes	<input type="checkbox"/> No

- Notes:

CUSTOMER PRINTED NAME

CUSTOMER SIGNATURE

APEX INDUSTRIAL SOLUTIONS

763-777-9525

Sales@ApexSolutionsMN.com

www.ApexSolutionsMN.com