



Innovative Composite Solutions

## Engineering Data Input Form

Date: \_\_\_\_\_

### Contact Information:

Company: \_\_\_\_\_

Contact(s): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip / Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

### Location of Line:

Owner (if different from contact info): \_\_\_\_\_

Location of Line: \_\_\_\_\_ Line Identification Info: \_\_\_\_\_

### Pipe Information:

Pipe Material: \_\_\_\_\_ Grade: \_\_\_\_\_ Schedule: \_\_\_\_\_

Pipe Diameter: \_\_\_\_\_ Pipe: \_\_\_\_\_ Tee: \_\_\_\_\_ Elbow: \_\_\_\_\_ Tank: \_\_\_\_\_

S.M.Y.S. \_\_\_\_\_ Original Wall Thickness: \_\_\_\_\_

### Pipe Service Information:

Product Carried in Pipe: \_\_\_\_\_ Concentration: \_\_\_\_\_

Operating Pressure / Continuous or Intermittent / Cyclical: \_\_\_\_\_

Design Pressure: \_\_\_\_\_ Test Pressure: \_\_\_\_\_

Are you operating at reduced pressure due to pipe conditions? Yes / No

Operating T° / Continuous or Intermittent / Cyclical: \_\_\_\_\_ Max expected T° of pipe: \_\_\_\_\_

Additional Loads (shear, torsion, bending): \_\_\_\_\_



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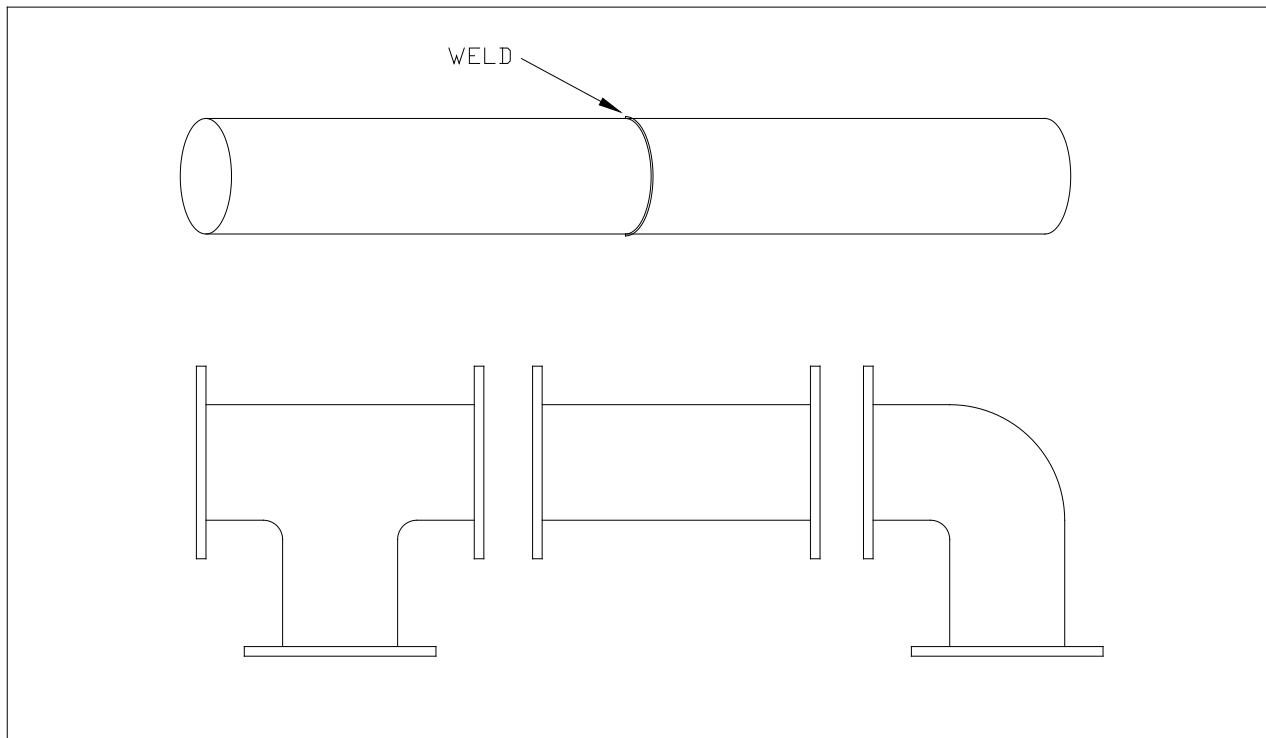
**Pipe Condition:**

Defect	Location (o'clock)	Linear Length Available	Distance from Weld	Size of Defect: length/width	Depth of defect <sup>1</sup>	Cause of Defect: <u>M</u> , <u>I</u> or <u>E</u> *	Type: thinning, rust, dent, gouge, etc	<u>L</u> eaking or <u>N</u> ot	<u>B</u> low <u>S</u> pray <u>D</u> rip
1									
2									
3									
4									
5									

\* Mechanical, Internal corrosion, External corrosion

<sup>1</sup> This Depth of Defect should be measured starting from the original, undamaged outer pipe wall, in towards the inside of pipe wall. This helps calculate wall loss.

**Details of Defects:** Please attach pertinent drawings, photos, inspection reports for each repair area identified and please fill out the chart and sketch below. Identify each of the individual defects on drawing by placing a corresponding number on sketch.





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Pipe Loading	Operating	Design		
Axial Load			<input type="checkbox"/> Sustained	<input type="checkbox"/> Occasional
Bending Moment			<input type="checkbox"/> Sustained	<input type="checkbox"/> Occasional
Shear Load			<input type="checkbox"/> Sustained	<input type="checkbox"/> Occasional
Torsion			<input type="checkbox"/> Sustained	<input type="checkbox"/> Occasional
Other Loads			<input type="checkbox"/> Sustained	<input type="checkbox"/> Occasional

### Installation Questions:

Is the line leaking? Yes / No Describe: \_\_\_\_\_

Can the line be depressurized for repair? Yes / No If not, reduced pressure during repair: \_\_\_\_\_

Can it be drained? Yes / No T° during repair: \_\_\_\_\_

Maximum allowable downtime for the system? \_\_\_\_\_

Can the area be prepared by sandblasting? Yes / No Can the area be prepared with power tools? Yes / No

Access elevation - Above Grade: \_\_\_\_\_ Below grade: \_\_\_\_\_

Vertical wrap est ft: \_\_\_\_\_ Horizontal wrap est ft: \_\_\_\_\_

Is there limited access to the damaged area? Yes / No Describe: \_\_\_\_\_

Can the repair area be heated via tracing or curing blankets? Yes / No

Who will perform the installation? \_\_\_\_\_

Emergency repair: Yes / No Scheduled start date: \_\_\_\_\_

Completed By: \_\_\_\_\_

**Please complete all sections that apply, attach any digital photos or drawings: Send this information to sales@neptuneresearch.com. For immediate assistance contact Neptune Research, Inc. (561) 683-6992 / (800) 328-8366.**

**Disclaimer:** Neptune Research, the Manufacturer of Syntho-Glass®XT and Viper-Skin™, will replace at no charge to the purchaser any product proved to be defective. Responsibility of the Manufacturer and the Distributor is limited to replacement of the product only. Neither the Manufacturer nor the Distributor shall be liable for consequential or incidental damage or loss of any kind as they do not have any control over the conditions under which these products may be used or over the methods of application. Users should test the product for their particular need and suitability. Users should consult with the Manufacturer or the Distributor for all proposed repairs using the Syntho-Glass®XT and/or Viper-Skin™ Systems. Written procedures for specific repairs are available upon request from the Manufacturer or Distributor. All proposed repairs to Pipeline Systems using the Syntho-Glass®XT and/or Viper-Skin™ Systems must be installed or supervised by Certified Technicians.