

**FORM QF-485 Suggested Format for Plastic Pipe Fusing Data Acquisition Log Review**  
**(See QF-131 Section IX, ASME Boiler and Pressure Vessel Code)**

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Job Information \_\_\_\_\_ Job Number \_\_\_\_\_  
Fusing Machine Operator Name \_\_\_\_\_ Fusing Machine Operator Identification \_\_\_\_\_  
FPS or SFPS Used \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
Fusing Machine Identification \_\_\_\_\_ Fusing Machine Manufacturer \_\_\_\_\_ Joint Number \_\_\_\_\_  
Pipe Specification \_\_\_\_\_ Classification \_\_\_\_\_ to Specification \_\_\_\_\_ Classification \_\_\_\_\_  
Pipe Size (Diameter) \_\_\_\_\_ Pipe Wall Thickness \_\_\_\_\_ Joint Configuration \_\_\_\_\_

**FUSING VARIABLES**

Heater Surface Temperature \_\_\_\_\_ Within Qualification Range  Yes  No  
Interfacial Fusing Pressure \_\_\_\_\_ Within Qualification Range  Yes  No  
Drag Pressure \_\_\_\_\_  
Butt-Fusing Pressure: \_\_\_\_\_ Within Qualification Range  Yes  No  
    Calculated Value \_\_\_\_\_ Recorded Hydraulic-Fusing Pressure \_\_\_\_\_ Acceptable  Yes  No  
Butt-Fusing Pressure Drop to Less Than Drag Pressure?  Yes  No  
Gauge Pressure During Initial Heat Cycle \_\_\_\_\_ Elapsed Time During Initial Heat Cycle \_\_\_\_\_  
Gauge Pressure During Heat-Soak Cycle \_\_\_\_\_ Elapsed Time During Heat-Soak Cycle \_\_\_\_\_  
Gauge Pressure During Fusing and Cool Cycle \_\_\_\_\_  
Elapsed Time During Fusing and Cool Cycle \_\_\_\_\_ Within Qualification Range  Yes  No  
Melt Bead Size \_\_\_\_\_ Within Qualification Range  Yes  No  
Heater Plate Removal Time \_\_\_\_\_ Within Qualification Range  Yes  No  
Data Logger Probe \_\_\_\_\_ External Probe \_\_\_\_\_  
Data Acquisition System Manufacturer \_\_\_\_\_

Review of the Recorded Pressure vs. Time Diagram

Acceptable  Yes  No

**Data Acquisition Acceptable**  Yes  No

Examiner name \_\_\_\_\_ Examiner signature \_\_\_\_\_

Date \_\_\_\_\_