## QW-482 SUGGESTED FORMAT FOR WELDING PROCEDURE SPECIFICATIONS (WPS) (See QW-200.1, Section IX, ASME Boiler and Pressure Vessel Code)

Company Name		Bv										
			Supporting PQR No.(s)									
Revision No Date _			Supporting Figure 100.(3)									
Buto _												
Welding Process(es)		Type(s)	(Automatic, Manual, Machine, or Semi-Automatic)									
JOINTS (QW-402)			Details									
Joint Design												
Root Spacing												
Backing: Yes No .												
Backing Material (Type)(Refer to both b												
Metal Nonfusing Metal												
Nonmetallic Other												
Nonmetallic Other  Sketches, Production Drawings, Weld Symbols, or Written Description should show the general arrangement of the parts to be welded. Where												
applicable, the details of weld groove may be												
[At the option of the manufacturer, sketches may joint design, weld layers, and bead sequence (e	•											
procedures, for multiple process procedures, etc.	•											
procedures, for multiple process procedures, etc.	•/11											
*BASE METALS (QW-403)												
P-No Group No		to P-No.	Group No									
OR												
Specification and type/grade or UNS Number												
to Specification and type/grade or UNS Number ————————————————————————————————————												
Chem. Analysis and Mech. Prop												
to Chem. Analysis and Mech. Prop												
Thickness Range:												
Base Metal: Groove		Fillet										
Maximum Pass Thickness $\leq \frac{1}{2}$ inch (13 mr	n) (Yes)	(No)										
Other												
*FILLER METALS (QW-404)	1		2									
Spec. No. (SFA)	I		<u> </u>									
AWS No. (Class)												
F-No												
A-No												
Size of Filler Metals												
Filler Metal Product Form												
Supplemental Filler Metal												
Weld Metal												
Thickness Range:												
Groove												
Fillet												
Electrode-Flux (Class)												
Flux Type												
Flux Trade Name												
Consumable Insert												
Other												

<sup>\*</sup>Each base metal-filler metal combination should be recorded individually.

## QW-482 (Back)

							WPS	No		Rev	
POSITIONS (QW-405)					POSTWELD HEAT TREATMENT (QW-407)						
Position(s) of Groove					Temperature Range						
Welding Progression: Up Down					Time Range						
Position(s) of Fillet					Other						
Other _						CAC (OW 400)					
						GAS (QW-408)  Percent Composition					
PREHEAT (QW-406)						(	Gas(es)	(Mixture			
Preheat Temperature, Minimum							Jas(es)	(IVIIXLUI)	e) Flow hate		
Interpass Temperature, Maximim Preheat Maintenance					Shielding						
Other					ľ	Trailing					
		ial heating, w				Backing					
<b>y</b> ,					Other						
L											
ELECTRICAL CHARACTERISTICS (QW-409)											
		T:lla.	Filler Metal							Other	
		Filler	ivietai							(e.g., Remarks, Com-	
Weld		Classifi-		Current Type and	Amps	Wire Feed Speed	Energy or Power	Volts	Travel Speed	ments, Hot Wire Addition, Technique,	
Pass(es)	Process	cation	Diameter	Polarity	(Range)	(Range)	(Range)	(Range)	(Range)	Torch Angle, etc.)	
Amne	and volte	or nower or o	noray rango	should be re	acorded for	ach alactrod	o cizo, pocit	ion, and thic	knose oto		
Amps and volts, or power or energy range, should be recorded for each electrode size, position, and thickness, etc.											
Pulsing Current Heat Input (max.)											
Puising	Current					Heat Input (n	nax.)				
Tungste	n Electrode	Size and Typ	е			/Puro Tur	gsten, 2% Thori	inted ata l			
NA 4	. N.A. a. a. a. Turana	- f f CNAA	\A/ /ECA\A/\				gsteri, 270 Tilori	ateu, etc.,			
iviode of	ivietai iran	sfer for GMA	.vv (FCAvv) _				, Short Circuitin	g Arc, etc.)			
Other .											
TECHNIQ	UE (QW-410	))									
		ad									
Orifice, Nozzle, or Gas Cup Size											
Initial and Interpass Cleaning (Brushing, Grinding, etc.)											
Method of Back Gouging											
Oscillation  Contact Tube to Work Distance											
Multiple	or Single P	ass (Per Side	)								
Multiple or Single Pass (Per Side)  Multiple or Single Electrodes											
Electrode Spacing											
Peening											
Other											