

Appendix J

THREAT FACTORS AND ATTRIBUTE TABLES

Pipe Seam Design Material Considerations¹

Criteria	Points	Contrib.
Furnace Butt Weld (FBW) (Jef = 0.6)	100	30
Single Submerged Arc Weld SSAW (Jef = 0.8)	60	18
Low Freq. ERW* (Jef = 1.0)	90	27
A.O.Smith or Flash Weld (Jef = 1.0)	90	27
High Freq. ERW (Jef = 1.0)	20	6
Double Submerged Arc Weld (DSAW) (Jef = 1.0)	10	3
Seamless	10	3
Pre 1990 Spiral (Jef = 0.8)	90	27
1990 and newer Spiral (Jef=1.)	20	6
Other**	100	30
Default (Welds made prior to 1970)	100	30
Default (Welds made in 1970 and after)	20	6

* Welds made prior to 1970 using the ERW welding process are assumed to be made using low frequency.

¹ PG&E Procedure for Risk Management, RMP-05 Rev 4, Design/Material Threat Algorithm

Test Pressure vs. Pipe Strength

Criteria	Points	Contrib.
TP \geq 100%PS (test is 5 years old or less)	-200	-40
TP \geq 100%PS (test is more than 5 years old)	-150	-30
TP < 100% PS	-50	-10
No Pressure Test or TP/MOP < 1.1	150	30

* Pipe Strength (PS) shall be determined to be equal to $(SMYS)(2)(t)(Jef)/(OD)$.

** Pressure Tests performed earlier than 1950 will not be credited.

Third-Party Damage Prevention

Criteria	Points	Contrib.
None	0	0
Standby	-100	-10
Aerial Patrol	-20	-2