

Attachment 2, Welding Training Requirements for Welders, Filler Material Issue Attendants and Welding Inspectors

	Welders also using Gas Cylinders	Welders also using Gas Manifolds	All Welders					Filler Material Control Personnel	
Training Plan	2302*	2302*	2310					9780	9781
Course Number and Name	9518 Gas Cylinder Safety	769 Pressure Safety Orientation	25418 Chemical Hazard Communication Introduction	9519 Welding Safety (Self-Study)	13088 ¹ Fire Extinguisher	9893 ² Fire Extinguisher Hands-On Training	15672 ³ Fire Extinguisher: Designated Worker and Fire Watch (Self-Study)	43389 or 45165 Filler Material Control-Welder	43390 or 45164 Welding Filler Material -- Issue
	R	R	S	R	S	S	S	R	R
								LANL Welding Inspectors	

R = Required S = Suggested

* Training Plan 2302 and associated courses not required for welding processes without externally supplied gas (FCAW – Gas, SAW, SMAW, STUD, and TF⁴)

¹ All welders should be fire extinguisher trained; hands-on class is preferable to theory only.

² The Fire Watch person shall have fire extinguishing equipment readily available and be trained in its use.

³ The Fire Watch, trained by Course 15672 and on extinguisher use, must be in attendance full time for all welding operations outside of a Designated Spark and Flame Producing Work area, and for ½ hour after completion of welding. The person welding cannot also be the designated Fire Watch, but should have such knowledge and skill.

⁴ These acronyms are defined by GWS [1-03](#) Att. 2, WPS Designation Codes & Nomenclature.