

OSHA Regulations Which May Apply to Foundries				
Part	Subpart	Section	Title	Description
29 CFR		1904.0 - 1904.46	Injury and Illness Reporting	Now most companies must submit their reports to OSHA electronically. Most recently changed in 2017. (Check out exemptions)
OSHA Act of 1970		5(a)(1)	General Duty Clause	All employers must provide a place of employment that is free from recognized hazards that are causing or are likely to cause death or serious physical harm to employee. This is a catch all category OSHA can use when a specific set of regulations does not exist, such as for: heat, ergonomics, lifting heavy objects, etc.
29 CFR	1910 vs 1926			1910 regulations apply to General Industries including Foundries. 1926 applies to construction work. When Foundry employees perform Construction activities, the Construction standards may apply.
29 CFR	D		Walking Working Surfaces	Protects employees while working at heights, from slips, trips and falls, holes in the walking surface, etc.
		1910.230	Ladders	
		1910.240	Manhole bolts and steps	
		1910.250	Stairways	Design of steps, railings, toeboards, etc.
		1910.260	Dockboards	Safe use of transitions from dock to trucks
		1910.270	Scaffolding	
		1910.280	Fall Protection and Falling Objects	Use of rails, harness, teather, anchor point, setbacks, flags and tool fastners
		1910.300	Training	Training required for this section
	E		Exit Routes and Emergency Planning	
		1910.350	Alternate Exit Routes	
		1910.360	Design of Exit Routes	
		1910.370	Maintaining Safegourds an Operating Features of Exit Routes	
		1910.380	Emergency Action Plans	Written plan
		1910.390	Fire Prevention Plans	Written plan
	F	1910.66 to .68	Manlifts of all Types	Scissor lifts, cherry pickers, articulated arms
	G	1910.940	Ventilation	

		1910.950	Occupational Noise Exposure	Hearing Protection Monitoring Program for work areas with 80 decibels or more. Impliment Plan at 85 decibels = Action Level Annual hearing test for employees in loud areas- > 85dB on an 8 hour TWA. Baseline hearing test for Ees w/in 6 mos. of hire.
		1910.970	Non-Ionizing Radiation	Electromagnetic, radio and micro waves
	H		Hazardous Materials	
		1910.101	Compressed Gas	
		1910.102	Acetylene	
		1910.103	Hydrogen	
		1910.104	Oxygen	
		1910.105	Nitrous oxide	
		1910.106	Flammable Liquids	
		1910.107	Spray Paint/Finish	Flammable or combustibile material
		1910.120	Hazardous Waste Operations and Emergency Response	HAZWOPER
		.122 - .126	Dipping and Coatings Operations	
	I		Personal Protective Equipment	What gear to provide to employees to protect them from hazards in the workplace.
		1910.132	General requirements	
		1910.133	Eyes and Face	Safety glasses, goggles, faceshields
		1910.134	Respiratory Protection	Facemasks, filtering facepieces, cartridges, pre-filters and respirators, air-supplied hoods and tanks, escape packs
		1910.135	Head Protection	Hardhats and bump caps
		1910.136	Foot Protection	Shoes and boots with toe guards, metatarsal guards, puncture resistant soles, electrical protection, and designs for quick removal for metalcasters working with molten metal
		1910.137	Electrical Protective equipment	
		1910.138	Hand Protection	Gloves
		1910.140	Personal Fall Protection Systems	Working 4 ft. or more above the floor or ground (Ladders are different)
			Appendices	
			App. A	Non-Mandatory References for Further Information (BLS Statistics Eye, Face, Head, Foot, etc.)
			App. B	Non-Mandatory Compliance Guidelines for Hazard Assessment and PPE Selection
			App. C	Nonmandatory Personal Fall Protection Systems Guidelines
			App. D	Nonmandatory Test Methods and Procedures for Personal Fall Protection Systems Guidelines
	J		General Environmental Controls	

		1910.144	Safety color code fo marking physical hazards	
		1910.145	Accident Prevention signs and tags	
		1910.146	Permit-required Confined Space	
		1910.147	Control of Hazardous Energy	LockOut/TagOut/Test Out (LOTO)
	K	1910.151	Medical Services and First Aid	First Aid training, First Aid Kits, Eye Wash Stations for corrosive materials (acids, alkalis, high or low pH)
	L		Fire Protection	
		1910.156	Fire brigades	Train employees to respond to fire
		1910.157	Portable Fire Extinguishers	Portable
		1910.158	Standpipe and hose Extinguishers	Permanent
		1910.159	Automatic Sprinkler Systems	
		.160 - .163	Fixed Extinguishing Systems	
		1910.164	Fire Detection Systems	
		1910.165	Employee Alarm Systems	
	M	1910.166-169	Compressed Gase and Compressed Air Equipment	
	N		Materials Handling and Storage	
		1910.176	General	
		1910.178	Powered Industrial Trucks (PITs)	Forklifts
		1910.179	Overhead and Gantry Cranes	Must be load tested annually- document
				Also inspect chains, anchor points, hooks, slings, and all other components.
		1910.180	Crawler Locomotive and Truck Cranes	
		1910.181	Derricks	
		1910.183	Helicopters	
		1910.184	Slings	
	O		Machinery and Machine Guards	
		1910.215	Abrasive Wheel Machinery	Grinding wheels- before each shift confirm space between wheel and work platform.
		1910.217	Mechanical Power Press	
		1910.218	Forging Machines	
		1910.219	Mechanical Power-Transmission	
	P		Hand and Portable Powered Tools and Other Hand-Held Equipment	
		1910.242	Hand and Portable Powered Tools and Other Hand-Held Equipment	
		1910.243	Guarding of Portable Powered Tools	
		1910.244	Other Portable Tools & Equipment	

	Q		Welding, Cutting and Brazing	
		1910.251	Definitions	
		1910.252	General Requirements	
		1910.253	Oxygen-Fuel Gas Welding and Cutting	
		1910.254	Arc Welding and Cutting	
		1910.255	Resistance Welding	
	R	NA	Special Industries	
	S	.301 - .330	Electrical	Electric systems, wiring design, methods, components, installations, hazardous locations, training, work practices
		1910.335	Safeguards for Personnel Protection	
	T	NA	Commercial Diving Operations	
	Z		Toxic and Hazardous Substances	
		1910.1000	Air Contaminants	
		1910.1001	Asbestos	
		1910.1030	13 Carcinogens	
		1910.1017	Vinyl chloride	
		1910.1020	Access to employee exposure and medical records	
		1910.1025	Lead	
		1910.1026	Chromium (VI)	
		1910.1027	Cadmium	
		1910.1028	Benzene	
		1910.2029	Coke oven emissions	
		1910.1030	Bloodborne Pathogens	
		1910.1045	Acrylonitrile	
		1910.1048	Formaldehyde	
		1910.1053	Respirable Crystalline Silica	
		1910.1096	Ionizing Radiation	
		1910.1200	Hazard Communication	HAZCOM- Safety Data Sheets- Globally Harmonized System (GHS) Training
		1910.1201	Retention of DOT markings, placards and labels	Most trucking companies provide these, BUT legally the shipper is responsible
		1910.145	Occupational Exposure to Hazardous Chemicals in Laboratories	Written Lab Safety Program