

## Appendix C: Cal/OSHA Safety & Health Training and Instruction Requirements

The following is a list of the *instruction and training* requirements contained in the **Construction Safety Orders** (Subchapter 4) and the **General Industry Safety Orders** (Subchapter 7) of Title 8, Division 1, Chapter 4 (with several references contained in Chapter 3.2) of the California Code of Regulations. Also included are references to both **Competent Person** and **Qualified Person**.

While every effort has been made to ensure the accuracy of the information presented, users are cautioned to refer to Title 8 and the specific sections of interest. This list is a guide only and not meant to be a substitute for - or a legal interpretation of - the occupational safety and health standards.

Users may review Title 8 Regulations at: <http://www.dir.ca.gov/samples/search/query.htm>

<b>Authorized person:</b>	Means a person approved or assigned by the employer to perform a specific type of duty or duties or to be at a specific location or locations at the jobsite.
<b>Competent person:</b>	A competent person is a person who is <b>capable</b> of identifying existing and predictable hazards in the surroundings or working conditions that are unsanitary, hazardous, or dangerous to employees. The competent person has the <b>authority</b> to impose prompt corrective measures to eliminate these hazards.
<b>Qualified Person:</b>	A qualified person is a person <b>designated</b> by the employer; and by reason of <b>training</b> , experience, or instruction has demonstrated the ability to perform safely all assigned duties; &, when required is properly licensed in accordance with federal, state, or local laws and regulations.

Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Accident Investigation	3203(a)(7)(F)	Initial	Supervisors/Accident Investigators	Model Program(s) IIPP: For High Hazard Employers For Non-High Hazard Employers For Employers with Intermittent Employees (English & Spanish) For Employers With Intermittent Workers in Agriculture (English & Spanish)
Accident Prevention Signs & Tags	3341(d)(5)	Initial	Impacted Employees	Lockout/Blockout
Acetylene Fuel & Gas Safety	1740(k)(1)	Initial	Users	
Acrylonitrile (AN)	5213(o) 5213 (appendix B)	Initial Annual	Exposed Employees <b>Qualified Person</b>	
Actinolite (Non-Asbestos)	5208.1	Initial Annual	Exposed Employees	
Anthophyllite (Non-Asbestos)	5208.1(n)	Initial Annual	Exposed Employees	
Agricultural & Equipment Tractors	3441(a) 3664(b)	Initial Annual	Involved Employees Operators	Agricultural - Industrial Tractors Farm Labor Contractors Guide

**Cal/OSHA Safety & Health Training and Instruction Requirements (cont.)**

Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Asbestos Consultant	341.15	Initial	Certified Persons	
Site Surveillance Technician	1529(k)(9)(B) 5208(j)(7)(B)	Initial Annual	Employees likely exposed =>PEL & those who perform Class I-IV operations	
Asbestos/Asbestos Awareness	1529 341.16	Initial Initial	Assigned	
Building Inspector	341.17	Initial	Exposed Employees	
Project Designer	1529(o)(4)	Annual	<b>Competent Person</b>	
Cement Pipe Class I-IV Operations	341.9		<b>Qualified Person</b>	
Battery Handling/ Changing/Charging	5185(a)	Initial	Assigned Employees	
Benzene	5218(i) & (j)(3)	Initial Annual	Exposed Employees	
Bloodborne Pathogens	5193(g)(2)	Initial Annual	Potentially Exposed Employees	A Best Practices Approach for Reducing Bloodborne Pathogens Exposure Control Plan for Bloodborne Pathogens
Boatswains Chair	1662(a)	Initial	Users	
1,3-Butadiene	5201(l)(2)	Initial Annual	Exposed Employees	
Cadmium	5207(m)(4) 1532	Initial Annual	Exposed Employees <b>Competent Person</b>	
Carcinogens As Listed	5209(e)(5)	Initial	Exposed Employees	
Chemical Hygiene for Laboratories	5191(f)(2)	Initial New Hazards Refresher	Laboratory Employees	
Coke Oven Emissions	5211(t)	Initial Annual	Exposed Employees	
Compaction Equipment	4355(a)(2)	Before Use	Users	
Confined Spaces	5157(g)	Initial	Affected Employees	Confined Space: Is It Safe To Enter?
Marine Terminal Ops.	5158(c)(2) 3463(b)(5)(B)	Program Update Changes	Exposed Employees	
Control of Hazardous Energy	3314(j)	Initial	Authorized Employees	Lockout/Tagout
Cotton Dust	5190(i)	Initial Annual	Exposed Employees	
Cotton Gins/ Processing Mach.	4640		Qualified Person	
Cranes & Other Hoisting Equipment Incl. Mobile/ Tower/ Derrick	5006.1(a), 5006, 4966, 4994, 4999, 5000, 5004, 5031, 5043, 5044	Initial Mobile & Tower Cert. @ 5 y	Mobile & Tower Crane Operators Qualified Person Authorized Employees	
Cranes/Hoisting Equipment - Marine Terminals	3472(d)(3)	Initial	Operators	

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**Cal/OSHA Safety & Health Training and Instruction Requirements (cont.)**

Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Demolition	1734 1735(u) 1736		Qualified Person	
1,2 Dibromo-3-Chloropropane (DBCP)	5212(i)(3) & (n) 5212 (Appendix B)	Initial Annual	Exposed Employees Qualified Person	
Diving Operations	6052	Initial	Assigned Employees	
Elevating Work Platforms & Aerial Devices	3648(l)(7) 3648(c) 3646(c) 3638(d)	Before Use	Users Authorized Personnel	
Emergency Action Plan	3220(e)	Initial Plan Update	Impacted Employees	
Emergency Procedures (Construction)	1512(d)	Initial	Assigned Employees	
Equipment & Machinery (Construction)	1510(b)	Initial	Qualified Person	
Erection & Construction - Bolting/ Riveting/ Plumbing Structural Wood/Steel Frame Steel Erection	1716 1716.1 1716.1(f)(1) 1716.2(j) 1710	Initial	Assigned Employees Competent Person Qualified Person	Pocket Guide for th Construction Industry (English / Spanish)
Ergonomics	5110(b)(3)	Initial - When Standard is Triggered	Employees in affected job classifications (identical jobs) when standard is triggered	Back Injury Prevention Guide in the Health Care Industry for Health Care Providers Easy Ergonomics Ergonomics in Action Fitting The Task To The Person: Ergonomics for Very Small Businesses Easy Ergonomics for Desktop Computer Users
Ethylene Dibromide (EDB)	5219(j)	Initial Annual	Exposed Employees	
Ethylene Oxide	5220(j)(3) 5220 Appendix A	Initial Annual	Exposed Employees	
Excavation/ Trenching/ Shoring	1541		<b>Competent Person</b>	Trenching Safety (Tailgate Topic) Pocket Guide for the Construction Industry

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**Cal/OSHA Safety & Health Training and Instruction Requirements (cont.)**

Training Topics	T8 Section 5274.11	Frequency of Training	Typical Classification	Job	Cal/OSHA Publication
Explosives	5239 5322 5329 344.20, 344.21	Initial	Assigned Employees Competent Person Licensed Blaster		
Explosives - Deteriorated	5240		<b>Competent Person</b>		
Explosives Storage Magazines	5256		Competent Person		
Fall Protection	1671.1	Initial	Affected Employees <b>Competent Person</b> <b>Qualified Person</b>		
Fall Protection - Date Palm Ops.	3458		<b>Competent Person</b>		
Fire Brigades (Private)	3411(c)	Initial/ Quarterly/ Annual Refresher	Assigned Employees		
Fire Extinguisher & Fire Fighting Equipment	6151(g)(1)-(2)	Initial Annual	Assigned Employees		
Fire Prevention Plan	3221(d)(1)-(2)	Initial New Hazards	Exposed Employees		
Fire Protection - Fixed Extinguishing Systems	6175(b)(10) 6181(b)(2)	Initial Annual	Employees Assigned Maintenance/Operation Exposed Employees		
Fire Protection - Standpipe & Hose System Inspection	6165(f)(2)(F)	Initial	Assigned Employees		
First Aid First Aid & CPR	3439(b) 6251(d)(2) 3400(b) 5157, 5158, 5193 3421, 6052	Initial Changes Every 2 years (or as specified by cert. organization)	Assigned Employees Supervisors		
First Aid (Construction)	1512(b) & (d)	Initial Updated	Assigned Employees		
Flaggers (Traffic)	1599(f) & (g)	Initial	Assigned Employees		
Flammable Liquids/ Gasses/Vapors - Industrial Plants	5561		<b>Qualified Person</b>		
Fumigation - General	5221(b)	Initial	Exposed Employees		
Formaldehyde	5217(n)	Initial Annual	Exposed Employees		
Hazard Communication	5194(b)(1)	Initial New chemicals or processes	Exposed Employees		Guide to California Hazard Communication Regulation

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**Cal/OSHA Safety & Health Training and Instruction Requirements (cont.)**

<b>Training Topics</b>	<b>T8 Section 5274.11</b>	<b>Frequency of Training</b>	<b>Typical Job Classification</b>	<b>Cal/OSHA Publication</b>
Hazardous Substance Containers Clean/Repair/Alter	5166(a)	Initial	Assigned Employees	
Hazardous Waste Operations & Emergency Resp.	5192 (e) & (q)(6)	Initial Annual Refresher	Assigned Employees <b>Qualified Person</b>	
Hearing (Noise) Protectors Conservation	5098(a)(4) 5097(d)(5)(A)&(B) 5099(a)	Initial Retraining Initial Annual	Employees Provided Protectors All Employees Exposed to =>85 dBA TWA	
Heat Stress	3395	Initial	Exposed Employees	Protect Yourself from Heat Illness (English/Spanish)
Helicopter Operations	1901(c)	Daily Briefing	Involved Personnel	
Industrial/Lift Trucks (Forklifts) & Tractors	3657(i) 3664(b) 3668	Initial, Annual Observed Unsafe Operation Post Accident Equipment Change Workplace Change (Operator eval. @ 3 years)	Operators	Operating Rules for Industrial Trucks Poster (English / Spanish)
Injury & Illness Prevention Program	3203(a)(7) 1509(e)	Initial Updated	All Employees Supervisor Tailgates	Model Program(s) IIPP: For High Hazard Employers For Non-High Hazard Employers For Employers with Intermittent Employees (English & Spanish) For Employers With Intermittent Workers in Agriculture (English & Spanish)

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Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Inorganic Arsenic	5214(m)	Initial Annual	Exposed Employees	
Job Hazard(s)	3203(a)(7) 1510(a)	Before Job Assignment New Hazards	All Employees	Guide to Developing IIPP
Laboratory Safety (See Chemical Hygiene)	5191(f)	Initial New Hazards Refresher	Laboratory Employees	
Laser Equipment	1801(a)	Initial	Operators Qualified Person	
Laundry/Dry Cleaning	4494(a)	Initial Periodic	Assigned Employees	
Lead Lead in Construction	5198(l) 1531.1(1)(1)(C)-(D) 1532.1(l)	Initial Annual	Exposed Employees/ Supervisors Exposed Employees => Action Level	Lead in Construction (Fact Sheet)
Lift Slab Construction	1722.1		<b>Competent Person</b>	
Lockout/Tagout	3314 3314(j)	Initial When Updated	Affected Employees <b>Qualified Person</b>	Lockout/Tagout
Machinery & Equipment	1510(b)	Before Use	<b>Qualified Person</b>	Lockout/Tagout
Marine Terminals	3463(b)(5)(B) 3464(a)(1) 3462(b) & (d) 3463, 3472	Initial	Exposed Employees Supervisors <b>Qualified Person</b>	
Medical & Exposure Records - Access	3204(g)(1)	Initial Annual	Affected Employees	Access to Medical and Exposure Records (poster) (English / Spanish)
Metal Working (forging) Machines	4243(a)(6)	Initial	Operators/Maintenance Personnel	Power Press Safety - Tool Box Topics
4,4-Methylenebis (2-Chloroaniline) MBOCA	5215(j)	Initial Annual	Exposed Employees	
Methylene Chloride	5202(l) 5202 (Appendix A)	Initial & As Necessary	Exposed Employees <b>Qualified Person</b>	
Methylenedianiline	5200(k)(3) 1535	Initial Annual	Exposed Employees	

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Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Miter Saws	4307.1(c)	Initial	Operators	
Noise Exposure	5099(a)	Initial Annual	Employees Exposed =>85dBA TWA	
Openings/Holes - Floors & Roofs	3212(b)		Qualified Person	
Paper Converting/ Printing Machines --Fed Engraving Presses	4445(3)	Initial Changes	Operators/ Maintenance Personnel	
Personal Fall Arrest/Restraint Systems/	1670(b)(19)		<b>Competent Person</b>	
Personal Protective Equipment	3380(c)	Initial	PPE Users	
Pesticide Safety	5194(h)		Handlers & Applicators	
Pile Driving	1600		<b>Competent Person</b>	
Portable Ladder	3276 (f)	Before Use	User Employee Supervisor of User Employee	Portable Ladder Safety
Calif. Posting Requirements	340	Initial	All Employees	
Powder-Actuated Tools	1685(a)(1) 1689(a)	Initial	Users <b>Qualified Person</b>	
Power Presses	4203(a) 4203(b) 4208.1(m)(1) 4208	Initial Annual	Inspectors/Maintenance Operators PSDI Operators Qualified Person	Power Press Safety (Tailgate Topic)
Powered Platforms (Installed) for Building Maintenance	3298(a) 3296	Initial	Assigned Employees <b>Qualified Person</b>	
Portable Ladder	3276 (f)	Before Use		Portable Ladder Safety
Process Safety Management	5189(g)	Initial Refresher & Supplemental Certification	Involved Employees	
Pulp, Paper & Paperboard Mills	4402	Initial	Exposed Employees	
Railroad - Signs & Signals	3333(d)	Initial	Assigned Employees	
Reinforcing Steel/ Similar Projections	1712(f)(A)		<b>Qualified Person</b>	
Respiratory Protection	5144(c) & (k) 5144 Appendix A 5144 Appendix C	Initial Annual	Users	Respiratory Protection in the Workplace Respiratory Protection (Fact Sheet)
Roofing	1509(a) 1730(b)(8)-(9)	Initial	<b>Qualified Person</b>	Roofing Safety (Tailgate Topic)

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Training Topics	T8 Section 5274.11	Frequency of Training	Typical Job Classification	Cal/OSHA Publication
Rope Access Equipment	3270.1(c) 3270.1	Initial Annual Refresher	Assigned Employees <b>Qualified Person</b>	
Rubber/ Composition Working Machines	4592		<b>Competent Person</b> Test/Maintenance	
Scaffolds	1637(k)(1) 1637 1658(g)	Initial	Erectors & Dismantlers: <b>Qualified Person</b>	
Silica Dust: Power tool work on concrete or masonry materials	1530.1(e)(1) 1530.1(e)(2)	Before Assignment	Assigned Employees Supervisor	Hazards of Silica in Construction eTool
Supervisory Safety Training	3203(a)(7)(F)	Initial Change	Supervisors	
Tanks - Open Surface	5154(j)(1)	Initial	Assigned Employee	
Traffic Control - Flaggers	1599(f) &(g)	Initial	Flaggers	
Tree Work General  Date Palm Ops.	3420(b), 3421(c) 3423(a), 3427 3428(a) 3458	Initial	Assigned Employees Qualified Person	
Tremolite (Non-Asbestos)	5208.1(n)	Initial Annual	Exposed Employees	
Vinyl Chloride	5210(j)	Initial Annual	Exposed Employees	
Welding & Cutting Safety - Hot Work	4799 4848(a) 1537(a)	Initial	Welders Fire Watchers <b>Qualified Person</b>	
Wheels or Rims- Servicing	3326(c)	Initial	Service Personnel	Servicing Single, Split Rim & Multi-Piece Rim Wheel (Tailgate Topic)
Window Cleaning	3282(d) & (f) 3286(a)(2)	Initial	Assigned Employees	

The Cal/OSHA Publications website contains additional publications that may be of interest.

To review, download, or order free educational materials, go to: [www.dir.ca.gov/dosh/puborder.asp](http://www.dir.ca.gov/dosh/puborder.asp)

## Hazardous Waste Generator Regulatory Summary

The Resource Conservation and Recovery Act (RCRA) regulations establish basic hazardous waste management standards for persons who produce hazardous waste, called hazardous waste generators. These standards are found in title 40 of the Code of Federal Regulations (CFR) in part 262. The generator regulations ensure that hazardous waste is appropriately identified and handled safely to protect human health and the environment, while minimizing interference with daily business operations.

### Summary Table

The table below provides a summary of requirements for each class of hazardous waste generator. This is not an exhaustive list of all of the requirements for generators and should be used as just a guide. Generators are responsible for all applicable requirements in 40 CFR part 262. Additionally, hazardous waste generators should check with their [state regulatory agency](#) because certain states have additional or more stringent requirements than the federal government

Requirement	Very Small Quantity Generators	Small Quantity Generators	Large Quantity Generators
Quantity Limits The amount of hazardous waste generated per month determines <a href="#">how a generator is categorized</a> and what regulations must be complied with.	≤100 kg/month, and ≤1 kg/month of acute hazardous waste, and ≤100 kg/month of acute spill residue or soil §260.10 <b>(200lbs)</b>	>100 and <1,000 kg/month §260.10 <b>(2204lbs)</b>	≥1,000 kg/month, or >1 kg/month of acute hazardous waste, or >100 kg/month of acute spill residue or soil §260.10
EPA ID Number <a href="#">Acquire a unique EPA identification number</a> that identifies generators by site.	Not required	Required §262.18	Required §262.18
On-Site Accumulation Quantity Determine amount of hazardous waste generators are allowed to "accumulate" on site without a permit.	≤1,000 kg or ≤1 kg acute hazardous waste or ≤100 kg of acute spill residue or soil §§262.14(a)(3) and (4)	≤6,000 kg §262.16(b)(1) <b>(13227lbs)</b>	No limit

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Requirement	Very Small Quantity Generators	Small Quantity Generators	Large Quantity Generators
<p>Accumulation Time Limits Determine amount of time hazardous waste is allowed to accumulate on site.</p>	None	<p>≤180 days or ≤270 days (if transporting greater than 200 miles) §§262.16(b)-(d)</p>	<p>≤90 days §262.17(a)</p>
<p>Accumulation Requirements Manage hazardous waste in compliance with certain technical standards.</p>	None	<p>Basic requirements with technical standards for containers, tanks, drip pads or containment buildings §§262.16(b)(2)-(5)</p>	<p>Full compliance for management of containers, tanks, drip pads or containment buildings §§262.17(a)(1)-(4)</p>
<p>Personnel Training Ensure appropriate personnel complete classroom or on-the-job training to become familiar with proper hazardous waste management and emergency procedures for the wastes handled at the facility.</p>	Not required	<p>Basic training required §262.16(b)(9)(iii)</p>	<p>Required §262.17(a)(7)</p>
<p>Contingency Plan and Emergency Procedures Develop procedures to follow during an unplanned major event.</p>	Not required	<p>Basic planning required §§262.16(b)(9)</p>	<p>Full plan required Part 262 subpart M (from §262.17(a)(6))</p>

Requirement	Very Small Quantity Generators	Small Quantity Generators	Large Quantity Generators
Preparedness and Prevention Develop procedures to follow in the event of an emergency.	Not required	Required §262.16(b)(8)-(9)	Required Part 262 subpart M (from §262.17(a)(6))
Air Emissions Control hazardous air emissions from tanks and containers	Not required	Not required	Required <a href="#">Part 265 subparts AA, BB and CC</a> from §262.17(a)(1) and (2)
Land Disposal Restrictions Meet standards for placing on the land and associated requirements for certifications, notifications, and waste analysis plans	Not required	Required <a href="#">Part 268</a> from §262.16(b)(7)	Required <a href="#">Part 268</a> from §262.17(a)(9)
Manifest Tracking hazardous waste shipments using the <a href="#">multiple-copy manifest</a> - required by the Department of Transportation (DOT) and EPA	Not required	Required <a href="#">Part 262 subpart B</a>	Required <a href="#">Part 262 subpart B</a>
Waste Minimization Certify steps taken to reduce or eliminate the generation of hazardous waste	None	Good faith effort required  <a href="#">§262.27</a>	Program in place required  <a href="#">§262.27</a>
Pre-Transport Requirements Package and label hazardous waste for shipment off site to a RCRA facility for treatment, storage, or disposal	Only if required by the DOT or the state	Required <a href="#">§§262.30-262.33</a>	Required <a href="#">§§262.30-262.33</a>

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Requirement	Very Small Quantity Generators	Small Quantity Generators	Large Quantity Generators
Biennial Report <a href="#">Report data from off-site shipments</a> of waste during the previous calendar year	Not required	Not required	Required <a href="#">§262.41</a>
Exception and Additional Reporting Report if any required copies of signed manifests are not received back Provide information on quantities and disposition of wastes upon request	Not required	Required <a href="#">§§262.42(b)</a> and <a href="#">262.43</a>	Required <a href="#">§§262.42</a> and <a href="#">262.43</a>
Recordkeeping Maintain records of waste testing, <a href="#">manifests</a> , <a href="#">biennial reports</a> and exception reports	Not required	Required (except biennial reports)  <a href="#">§262.11(f)</a> and <a href="#">§262.40(a)</a> and (d)	Required  <a href="#">§262.11(f)</a> and <a href="#">§262.40</a>
Facility Type Send off-site shipments to appropriate facilities for management	Facilities noted in <a href="#">§§262.14(a)(5)</a>	RCRA permitted/interim status facility  <a href="#">Parts 264/265, 266/267 and 270</a>	RCRA permitted/interim status facility  <a href="#">Parts 264/265, 266/267 and 270</a>
Closure Close equipment, structures, soils and units by meeting specified performance standards and disposal and decontamination requirements	Not required	Required for tanks, drip pads and containment buildings - Tanks only <a href="#">§262.16(b)(3)(vi)</a> Unit specific Part 265, subpart W and DD for drip pads and containment buildings	Required - General <a href="#">§262.17(a)(8)</a> - Unit specific Part 265, subpart W for drip pads

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