

# Typical Construction Noise Levels: A Quick Reference Guide

NOISE SOURCE	Sound Level (dBA)	
Whisper	30	Green
Speaking Voice	67	
Alarm Clock	80	
Bulldozer (insulated cab)	85	Yellow
Grinder	86	
Welding Machine	87	
Loader/backhoe (insulated cab)	87	Red
<b>OSHA Permissible Exposure Level (8-Hour Average Level in dBA)</b>	<b>90</b>	
Lawnmower	90	
Crane (insulated cab)	90	
Mortising	90	
Orbital Sander	90	
Earth Tamper	93	
Table Saw	93	
Planer	94	
Belt Sander	94	
Router	95	
Masonry Saw	95	
Hammering	96	
Metal Shear	97	
Hand Drill	97	
Concrete Chipping	97	
Firecrackers	100	
Circular Saw	100	
Tile Saw	101	
Bulldozer (no cab)	102	
Crane (uninsulated cab)	102	
Miter Saw	102	
Air Grinder	103	
Snowmobile	105	
Chop Saw	106	
Bulldozer (no muffler)	107	
Jack Hammer	107	
Impact Wrench	108	
Chain Saw	109	
Rock Concert	110	
Pile Driver	112	
Hammer Drill	114	
Shotgun Firing	130	
Aircraft Carrier Flight Deck	140	



## Health & Safety Consultation

1681 Campus Delivery  
Fort Collins, CO 80523  
(970) 491-6151 Fax: (970) 491-7778  
www.bernardino.colostate.edu/public  
email: ohss@lamar.colostate.edu