



Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

JOB SAFETY ANALYSIS TOPIC: Changing Sand Toad Cages



Title	Work Task	Hazards	Controls
Preplan the work	<p>Comply with the OSHA Silica General Industry Standard (1910.1053)</p> <p>Gather Proper PPE for the job and inspect it (gloves)</p>	<p>Over exposure to silica</p> <p>Improper PPE inspection/selection</p>	<p>Wet sand to control dust</p> <p>Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE. A respirator is not required because wetting the sand controls dust.</p>
Before the job	Gather clean cages and bags of sand	Back injury	Use proper lifting techniques
Changing the cages	Pouring fresh sand into clean cages	<p>Over exposure to silica</p> <p>Back injury</p>	<p>Wet sand in bag before pouring into cages. Add more water to bag if dust is generated during pouring.</p> <p>Use scoop to put sand in cages or use proper lifting techniques if pouring directly from bag</p>

Storage and Clean up	Properly cleanup work area.	Slips/trips/falls Over exposure to silica	Clean up any sand using wet methods or vacuum equipped with a HEPA filter. Sweeping dry sand can cause silica dust to become airborne.
Training	Employees must take the online course 4570 Respirable Crystalline Silica Awareness		
Created By	Kim Haley, Industrial Hygienist 3/10/2020		
Contact Info	For more information about this JSA and other JSAs, contact: <i>UNC-CH Department of Environment, Health and Safety</i> 1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650 (919) 962-5507 ☎ https://ehs.unc.edu/		 