



NORTH CAROLINA DEPARTMENT OF LABOR

No. 34-5

OSH DIVISION

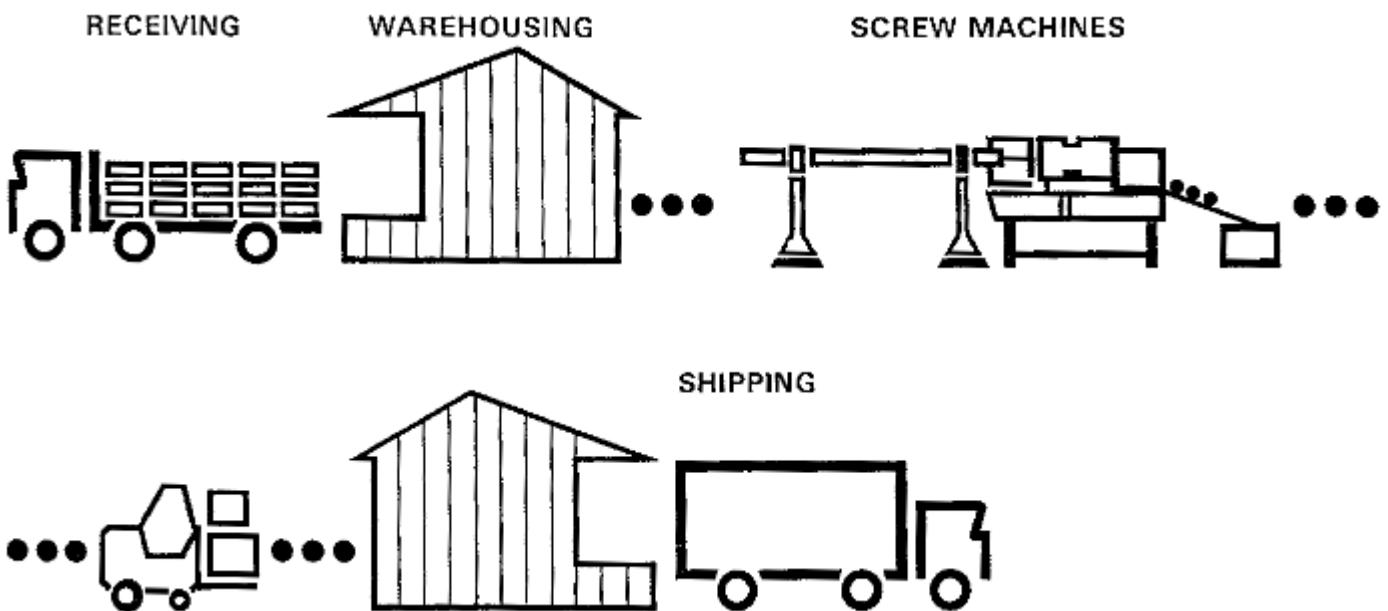
Date: 10/2009

OSHNC INDUSTRIAL DATA REPORT

Pages: 2

Industry: Fabricated Metal ProductsSub-Group: Screw Machine ProductsSIC: 3451NAICS: 332721

PROCESS DESCRIPTION: Stock metal is received from mills or distributors in bar form and stored in racks. Stock is automatically fed into machines and all operations are automatic. Finished products are automatically dispensed into bulk containers for further finishing or heat treating as specifications require. Scrap material can be collected by a central pick up system consisting of conveyors, constant extractors, etc., for material recovery. Important aspects of screw machine operation are set up and programming. A specialist performs these tasks by manually operating the machines and preparing programs or tapes as required.

PROCESS FLOW:**Hazards Analysis**

Major Hazards			Other Hazards		
Location	Item	Hazard	Location	Item	Hazard
Dock area and material warehouse	Heavy material	Head injuries, hernias, foot and back injuries	Throughout	Materials on floor or protruding in aisles	Trips and falls
	Forklifts	Accidents,			

 <p>NCDOL N.C. Department of Labor</p>		NORTH CAROLINA DEPARTMENT OF LABOR		No. 34-5
		OSH DIVISION		Date: 10/2009
		OSHNC INDUSTRIAL DATA REPORT		Pages: 2
		carbon monoxide injuries		
Machine area	Coolant	Dermatitis and inhalation of oil mist		
	Machinery, points of operation, power transmission apparatus and rotating parts	Amputations and crushed limbs		
	Noise	Hearing loss		
	Metal chips	Eye injuries, face burns		
Key OSHNC Standards				
Reference	29 CFR 1910 — General Industry Standards			
Subpart D	Walking and working surfaces			
Subpart I	Personal protective equipment			
Subpart O	Machinery and machine guarding			
1910.94	Ventilation			
1910.95	Occupational noise exposure			
1910.178	Powered industrial trucks			
1910.179	Overhead and gantry cranes			
1910.1000	Air contaminants			
1910.1200	Hazard Communication			
Inspection Analysis				
<p>Material is usually received from mills ready for machinery operations. Inspection must cover receiving docks and materials handling apparatus used in material and warehousing areas. Proper protective equipment such as hard hats and safety toed shoes are required. Inspect hoist records and capacity notices. Aisles and passageways must be kept clean and open. The machinery area must be inspected for point of operation guards, overexposure to high noise levels and proper personal protective equipment. Adherence to appropriate electrical code requirements must be observed throughout operation.</p>				
Other Pertinent Comments:				