



NORTH CAROLINA DEPARTMENT OF LABOR

No. 50-1

OSH DIVISION

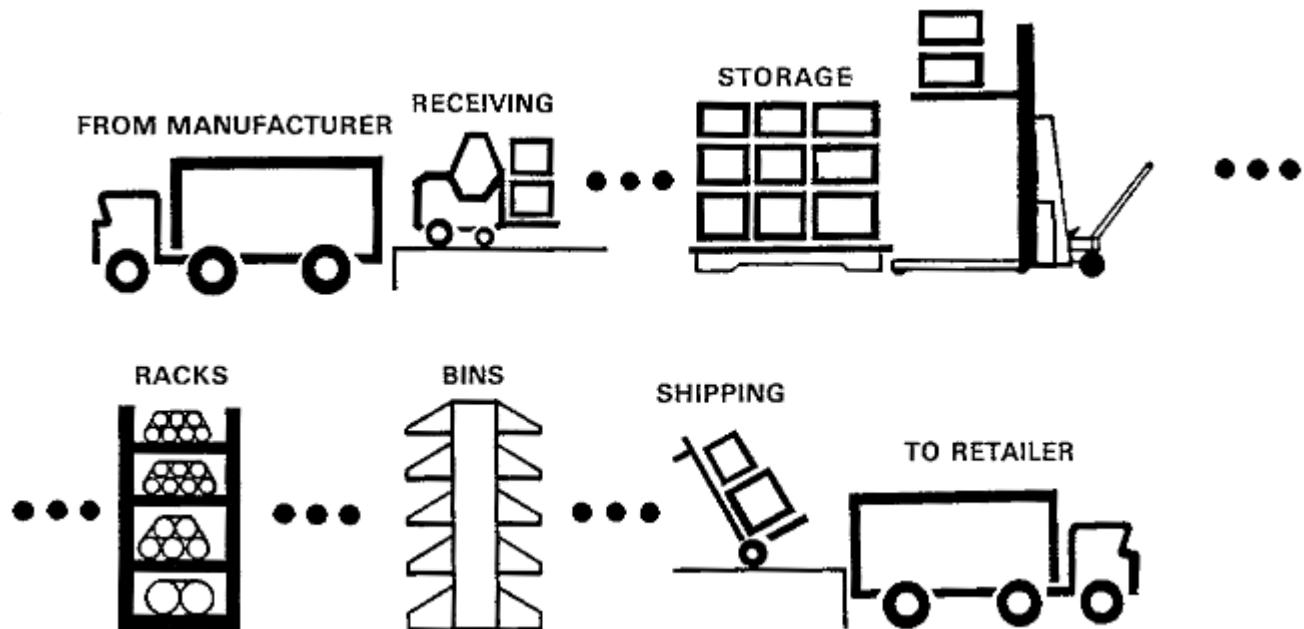
Date: 10/2009

OSHNC INDUSTRIAL DATA REPORT

Pages: 3

**Industry: Wholesale Trade, Hardware, Plumbing, Heating Equipment and Supplies****Sub-Group: Hardware, Plumbing and Heating Equipment****SIC: 5072 and 5074****NAICS: 423710, 423720 and 423730**

**PROCESS DESCRIPTION:** This is a service consisting of receiving, storing and wholesale distributing of hardware, plumbing, heating equipment and supplies. Basic material consists of a wide variety of merchandise in various size and weight packages such as kegs of nails, ladders, cases of bolts, rolls of screen wire, metal and plastic pipe in various lengths, bath tubs, water heaters, heating units and heat ducts. Merchandise is received at the warehouse by rail or truck, unloaded and placed in the warehouse in stacks, racks or bins. Various types of material-handling equipment are used such as stackers, hand trucks and forklift trucks. Outgoing merchandise usually is removed by company-owned trucks or in customer-owned vehicles for delivery to retail outlets.

**PROCESS FLOW:**



**NORTH CAROLINA DEPARTMENT OF LABOR**

**No. 50-1**

**OSH DIVISION**

**Date: 10/2009**

**OSHNC INDUSTRIAL DATA REPORT**

**Pages: 3**

### **Hazards Analysis**

<b>Major Hazards</b>			<b>Other Hazards</b>		
<b>Location</b>	<b>Item</b>	<b>Hazard</b>	<b>Location</b>	<b>Item</b>	<b>Hazard</b>
Receiving and shipping docks	Mechanical handling equipment, wheel chocks, dockboards	Falling materials, crushing by machinery	Gasoline storage tank	Flammable and combustible liquid	Fire and burns
Stack area and racks	Stored materials	Falling and striking or crushing employees	Battery charging area	Acids and explosive gas	Skin burns, fires and explosions
Throughout	Powered industrial trucks	Accidents, carbon monoxide	Throughout	Housekeeping and exits	Fire and tripping entrapment
	Overhead storage platform	Falls			
Receiving and unpacking	Carton opening blades and metal band cutter	Hand cuts, lacerations, eye injuries			

### **Key OSHNC Standards**

<b>Reference</b>	<b>29 CFR 1910 — General Industry Standards</b>
Subpart D	Walking and working surfaces
Subpart I	Personal protective equipment
1910.176	Handling materials
1910.178	Powered industrial trucks
1910.1000	Air contaminants
1910.1200	Hazard communication

### **Inspection Analysis**

The inspection should begin at the receiving docks, checking especially for the wheel chocks, anchored dockboards, mechanical handling equipment and the walking and working surfaces. In the warehouse area, note again the material handling equipment, walking and working surfaces, exists, material stacking, racks and bins and use of persona protective equipment. Continue through the work area and check for any evidence of carbon monoxide. Proceed to the shipping docks and check those items noted at the receiving

 <p><b>NCDOL</b> N.C. Department of Labor</p>	<b>NORTH CAROLINA DEPARTMENT OF LABOR</b>	No. <b>50-1</b>
	<b>OSH DIVISION</b>	Date: <b>10/2009</b>
	<b>OSHNC INDUSTRIAL DATA REPORT</b>	Pages: <b>3</b>

docks, Also check outside storage area for gasoline, dispensing, "No Smoking" signs and adequate vent pipes.

**Other Pertinent Comments:** The key points to a safe wholesale distributor warehouse area are basically (1) good housekeeping, (2) good, periodic maintenance of the mechanical handling equipment, (3) good safety program and regular safety inspections of area, (4) safe stacking procedures and (5) follow-up and enforcement of all safety rules pertaining to personnel and equipment.