

# **Personal Protective Equipment and Hazard Assessment Program**



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## **SCOPE AND BACKGROUND**

The use of Personal Protective Equipment (PPE) is essential in avoiding serious injuries or even death. For this reason the use of personal protective equipment is an integral part of R.W. LaPine, Inc.'s Safety Program. The Federal Occupational Health and Safety Administration, (OSHA) has established a Personal Protective Equipment Standard. This standard requires employers to assess the workplace to determine if hazards are present which would require the use of personal protective equipment. If hazards are found, the employer shall provide the correct ANSI rated PPE, and provide employee training.

The following written program and its implementation is an attempt by R.W. LaPine, Inc., to comply with Federal and State standards, as it pertains to Personal Protective Equipment. All PPE will be ANSI rated to meet or exceed the proper requirement for the protective use intended.

## **HAZARD ASSESSMENT**

The following will be addressed in the Hazard Assessment.

### **Mechanical Hazards**

Machinery or Processes where machine movements could cause collision or impact hazards.

### **Temperature Hazards**

Heat or Cold hazards that could cause burns or injury to the worker.

### **Chemical Hazards**

Liquid, Solids, or Fumes present that could cause Chronic or Acute Health Hazards, or above the Permissible Exposure Limit (PEL)

### **Flying Objects**

Metal Scrap, Dust, or other Debris.

### **Radiation Hazards**

Welding, or High Intensity Lighting

### **Fall Hazards**

Ladders, Aerial Equipment, Catwalks

### **Falling Objects**

Overhead material, Tools

### **Sharps/or Pinch Point Hazards**

Areas that could cause lacerations or crushing type injuries

### **Electrical Hazards**

Any Electrocution or Energy Hazards

**Hazard Assessment, (Continued):**

After hazard assessment is completed. The appropriate Personal Protective Equipment or Safe Work Procedure will be identified. R.W. LaPine, Inc. employees that are affected by identified hazards will be provided with personal protective equipment and training. The company shall be responsible for ensuring any employee owned PPE is adequate and properly maintained if it is to be used on any worksite.

**TRAINING**

R.W. LaPine, Inc. will provide the affected employees with Personal Protective Equipment training in the following areas.

- Σ When to use their personal protective equipment.
- Σ What specific equipment or safe work procedure to use.
- Σ How the equipment is to properly fit and the proper care of equipment.

**RE-TRAINING**

Re-training on the use of PPE. When there is a reason to believe that any employee who has been trained does not have the required understanding and skill or there are changes in the workplace, the employee must be retrained.

**TRAINING CERTIFICATION**

PPE training should be documented. The certification should include the employee name, the dates of training, and the training content

**CLEANING AND MAINTENANCE**

R.W. LaPine, Inc. requires that all employees keep their personal protective equipment clean and properly maintained according to manufacturer recommendations. If at any time the employee finds defects or wear damage that may lessen the integrity of PPE they should notify their Supervisor or Job Foreman immediately.

**ACCOUNTABILITY**

A hazard assessment has been made and documented showing potential workplace hazards. That these hazards would require the use of Personal Protective Equipment. All affected employees shall be required to utilize the PPE or Safe Work Procedures. It is the responsibility of the area Supervisor or Job Foreman to make sure his or her employees know what required PPE is to be worn and to make sure each employee does so. If

employees are found not to be using PPE or following safe work procedures, disciplinary actions will be taken as outlined in R.W. LaPine, Inc.'s "Safety Program".

## **LISTED HAZARDS**

Worksite Location: **R.W. LaPine, Inc.**

### **HAZARDS**

### **PPE or SAFE WORK**

#### **Mechanical Hazards:**

Machinery or Processes where  
Machine movements could  
Cause collision or impact hazards.

Machine Guards, and Devices  
Lockout

#### **Temperature Hazards:**

Heat or Cold hazards that could  
Cause burns or injury to the worker.

Heat Resistant Gloves,  
Leather or Cotton Gloves  
Heat Resistant Sleeves

#### **Chemical Hazards:**

Liquid, Solids, or Fumes that could  
Cause Chronic or Acute health hazards.

Eye Wash, Face Shields,  
Aprons, Chemical Gloves,  
Respirators

#### **Flying Objects:**

Safety Glasses w/Side shields  
Goggles, Face Shields

#### **Radiation Hazards:**

Welding, or High Intensity Lighting.

Welding Goggles & Hood  
Welding Gloves and Coat

#### **Falling Objects Hazards:**

Overhead Material, Falling Tools.

Hard Hats  
Safety Glasses w/Side shields

## **HAZARDS**

## **PPE or SAFE WORK**

### **Sharps or Pinch Point Hazards:**

Areas that could cause laceration or Crushing type injuries.

Protective Gloves and Machine Guarding

### **Electrical Hazards:**

Any Electrocuton or Energy Hazards.

Machine Lockout procedures

### **Host Employer Requirements:**

Outside contractors required to use appropriate PPE

## **PERSONAL PROTECTIVE EQUIPMENT**

- |                                                                                                                                                                   |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1. Safety Glasses w/Sideshields<br>Type: Meeting ANSI Z.87<br>Hazard: Flying objects or particles                                                                 | Yes |
| 2. Gloves<br>Type:<br>Chemical Resistant Gloves<br>Cotton Gloves<br>Leather Gloves<br>Heavy Heat Resistant<br>Hazard: Temperature (Heat) and<br>Chemicals, Sharps | Yes |
| 3. Goggles                                                                                                                                                        | Yes |

Type: Chemical Resistant  
Hazard: Chemical

## PERSONAL PROTECTIVE EQUIPMENT

4. Welding Goggles Yes  
Type: Welding Hood  
Filter Lens Shade: 9-12  
Hazard: Protection against radiant energy
5. Face Shields Yes  
Type: Meeting ANSI Z87  
Hazard: Chemical & Product Splash
6. Foot Protection Yes  
Type: Steel-toed shoes or boots  
Hazard: Sharps, Hot Metal, Heavy material
7. Aprons Yes  
Type: Chemical resistant  
Hazard: Chemical
8. Respirators Yes  
Type: ½ Face Cartridge  
Hazard: Paint fumes and mists dusts
9. Head Protection Yes  
Type: V-Guard ANSI Z89.1 1987  
Type 3, Class E & G  
Hazard: Bump Hazards, Falling Objects  
Electrical
10. Hearing Protection Yes  
Type: Ear Plugs  
Ear Muffs  
Hazard: Noise
11. Protective Clothing Yes  
Type: Aprons  
Heat Resistant Welding Coat  
Hazard: Chemical, Radiation

**NOTE: Tennis shoes or similar cloth type shoes are prohibited.**

**Person responsible for providing PPE to employees:**

- Σ The area Supervisor or Job Foreman is responsible to advise their employees of the appropriate PPE to be worn.
- Σ PPE obtained from area Supervisor or Job Foreman.

**How is care and maintenance of equipment maintained:**

- Σ Each employee is responsible to see that his or her equipment is in good working order and to keep it cleaned. Any worn or damaged PPE should be reported to their Supervisor or Job Foreman for repair or replacement.

**How is PPE enforced:**

- Σ Supervisors and Job Foreman are responsible to see that all employees are wearing proper PPE.

## PERSONAL PROTECTIVE EQUIPMENT

### Hazard Analysis

**LOCATION: R.W. LaPine, Inc.**

| <u>HAZARDS</u>     | <u>RISK LEVEL</u> | <u>SERIOUSNESS OF INJURY</u> |
|--------------------|-------------------|------------------------------|
| 1. Mechanical      | Probable          | A. Death                     |
| 2. Temperature     | Possible          | B. Permanent Impairment      |
| 3. Chemical        | Unlikely          | C. Chronic                   |
| 4. Flying Objects  |                   | D. Acute                     |
| 5. Radiation       |                   | E. Temporary Impairment      |
| 6. Fall            |                   |                              |
| 7. Falling Objects |                   |                              |
| 8. Sharps/Slivers  |                   |                              |
| 9. Electrical      |                   |                              |
| 10. Noise          |                   |                              |

**Work Area: Shop & Job-Site**

| <u>Operation</u>                             | <u>Hazard/Risk</u> | <u>Injury/Seriousness</u> | <u>P.P.E. Required</u>                                      |
|----------------------------------------------|--------------------|---------------------------|-------------------------------------------------------------|
| All operations<br>Producing flying<br>Debris | 4 Prob.            | Eye B or E                | Safety Glasses/Side Shields                                 |
| Noise                                        | 10 Poss.           | Hearing B or E            | Ear Plugs or Ear Muffs                                      |
| Welding                                      | 5 Prob.            | Eye/Face<br>Arms B or E   | Welding – Hood, Gloves, Coat<br>Safety Glasses/Side Shields |
| Cutting/<br>Grinding                         | 4 - 8 Prob.        | Eye/Face<br>Hands B or E  | Face Shield, Safety Glasses/Side<br>Shields, Leather Gloves |
| Clean-up/<br>Painting                        | 3,7 Prob.          | Respiratory B,C,D         | ½ Face Cartridge Respirator                                 |
| Elevations over<br>6 Feet                    | 6 Poss.            | Body A,B,E                | Body Harness and Lanyard<br>Hard Hat                        |
| Contractor<br>Job Site                       |                    |                           | All required PPE of General<br>Contractor                   |

## PERSONAL PROTECTIVE EQUIPMENT

### Hazard Analysis

**LOCATION: R.W. LaPine, Inc.**

| <u>HAZARDS</u>     | <u>RISK LEVEL</u> | <u>SERIOUSNESS OF INJURY</u> |
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| 6. Fall            |                   |                              |
| 7. Falling Objects |                   |                              |
| 8. Sharps/Slivers  |                   |                              |
| 9. Electrical      |                   |                              |
| 10. Noise          |                   |                              |

**Work Area: Shop & Job-Site Personnel**

| <u>Operation</u>      | <u>Hazard/Risk</u> |       | <u>Injury/Seriousness</u> | <u>P.P.E. Required</u>                            |
|-----------------------|--------------------|-------|---------------------------|---------------------------------------------------|
| Cutting<br>Concrete   | 4                  | Poss. | Lungs/Eye B or E          | Dust Mask, Safety Glasses                         |
| Chemical<br>Cleaning/ | 3                  | Poss. | Lungs/Body B or E         | Respirator, Tyvek Suit, Gloves,<br>Safety Glasses |