

A publication of  
Business Staffing, Inc.



**Feature:**

**Eye & Face Protection**

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# REVIEWS & STUFF

*A monthly review of stuff affecting employees of Business Staffing, Inc.*

## Selecting PPE for the Workplace

[www.osha.gov/SLTC/etools/eyeandface/ppe/selection.html](http://www.osha.gov/SLTC/etools/eyeandface/ppe/selection.html)

**P**ersonal protective equipment (PPE) for the eyes and face is designed to prevent or lessen the severity of injuries to employees. The owner must assess the workplace and determine if hazards that necessitate the use of eye and face protection are present or are likely to be present before assigning PPE to workers. [1910.132(d)]

A hazard assessment should determine the risk of exposure to eye and face hazards, including those which may be encountered in an emergency. Owners should be aware of the possibility of multiple and simultaneous hazard exposures and be prepared to protect against the highest level of each hazard.

Hazard Assessment		
Hazard type	Examples of Hazard	Common Related Tasks
<b>Impact</b>	Flying objects such as large chips, fragments, particles, sand, and dirt.	Chipping, grinding, machining, masonry work, wood working, sawing, drilling, chiseling, powered fastening, riveting, and sanding.
<b>Heat</b>	Anything emitting extreme heat.	Furnace operations, pouring, casting, hot dipping, and welding.
<b>Chemicals</b>	Splash, fumes, vapors, and irritating mists.	Acid and chemical handling, degreasing, plating, and working with blood.
<b>Dust</b>	Harmful Dust.	Woodworking, buffing, and general dusty conditions.
<b>Optical Radiation</b>	Radiant energy, glare, and intense light.	Welding, torch-cutting, brazing, soldering, and laser work.

## Business Owner's Responsibilities

[www.osha.gov](http://www.osha.gov)

**O**SHA's general PPE requirements mandate that employers conduct a hazard assessment of their workplaces to determine what hazards are present that require the use of PPE, provide employees with appropriate PPE, and require them to use and maintain it in sanitary and reliable condition.

Using PPE is often essential, but it is generally the last line of defense after engineering controls, work practices, and administrative controls.

Engineering controls involve physically changing a machine or work environment. Administrative controls involve changing how or when employees do their jobs, such as scheduling work and rotating employees to reduce exposures. Work practices involve training employees how to perform tasks in ways that reduce their exposure to workplace hazards.

As an owner, you must assess your workplace to determine if hazards are

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## Foreign Body in the Eye

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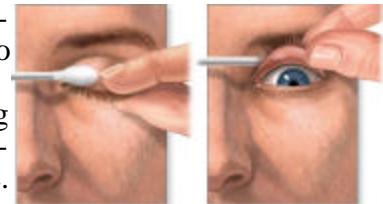
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The eye will often clear itself of tiny objects, like eyelashes and sand, through blinking and tearing.

If not, take these steps:

- ♦ Do not rub the eye. Wash your hands before examining it.
- ♦ Examine the eye in a well-lighted area. To find the object, look up and down, then from side to side.
- ♦ If you can't find the object, grasp the lower eyelid and gently pull down on it to look under the lower eyelid. To look under the upper lid, you can place a cotton-tipped swab on the outside of the upper lid and gently flip the lid over the cotton swab.
- ♦ If the object is on an eyelid, try to gently flush it out with water. If that does not work, try touching a second cotton-tipped swab to the object to remove it.
- ♦ If the object is on the eye, try gently rinsing the eye with water. It may help to use an eye dropper positioned above the outer corner of the eye. Do NOT touch the eye itself with the cotton swab.
- ♦ If you have been hammering, grinding, or otherwise exposed to possible high-velocity metal fragments, do NOT attempt any removal. Go to the nearest emergency room immediately.

Flush the eye with clean water to remove foreign objects



Twist cotton-topped swab upward

Look downward

A scratchy feeling or other minor discomfort may continue after removing eyelashes and other tiny objects. This will go away within a day or two. If you continue to have discomfort or blurred vision, get medical help.

## Q & A

**Q** What is personal protective equipment?

**A** Personal protective equipment, or PPE, is designed to protect employees from serious workplace injuries or illnesses resulting from contact with chemical, radiological, physi-

cal, electrical, mechanical, or other workplace hazards. Besides face shields, safety glasses, hard hats, and safety shoes, PPE includes a variety of devices and garments such as goggles, coveralls, gloves, vests, earplugs, and respirators.

**Q** Does PPE help protect employees from eye and face injuries?

**A** Yes. Besides spectacles and goggles, PPE such as special helmets or shields, spectacles with side shields, and faceshields can protect employees from the hazards of flying fragments, large chips, hot sparks, optical radiation, splashes from molten metals, as well as objects, particles, sand, dirt, mists, dusts, and glare.

S S S

*Conscience is that annoying inner voice that keeps telling you that the IRS might check your return.*

Direct all inquiries to:  
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Safety Dept.  
2505 N. Frazier  
Conroe, TX 77303  
www.business-staffing.com

## PPE Selection: Impact Hazards

The majority of impact injuries result from flying or falling objects, or sparks striking the eye. Most of these objects are smaller than a pin head and can cause serious injury such as punctures, abrasions, and contusions.

While working in a hazardous area where the worker is exposed to flying objects, fragments, and particles, primary protective devices such as safety

spectacles with side shields or goggles must be worn. Secondary protective devices such as face shields are required in conjunction with primary protective devices during severe exposure to impact hazards.



### PPE Devices for Impact Hazards

<b>Spectacles</b>	Primary protectors intended to shield the eyes from a variety of impact hazards.
<b>Goggles</b>	Primary protectors intended to shield the eyes against flying fragments, objects, large chips, and particles.
<b>Face Shields</b>	Secondary protectors intended to protect the entire face against exposure to impact hazards.

## PPE Selection: Heat

Heat injuries may occur to the eye and face when workers are exposed to high temperatures, splashes of molten metal, or hot sparks. Protect your eyes from heat when workplace operations involve pouring, casting, hot dipping, furnace operations, and other similar activities. Burns to eye and face tissue are the main concern when working with heat hazards.

Working with heat hazards requires

eye protection such as goggles or safety spectacles with special-purpose lenses and side shields. However, many heat hazard exposures require the use of a face shield in addition to safety spectacles or goggles. When selecting PPE, consider the source and intensity of the heat and the type of splashes that may occur in the workplace.



### PPE Devices for Heat Hazards

<b>Spectacles</b>	Primary protectors intended to shield the eyes from a variety of heat hazards.
<b>Goggles</b>	Primary protectors intended to shield the eyes against a variety of heat hazards.
<b>Face Shields</b>	Secondary protectors intended to shield the entire face against exposure to high temperatures, splash from molten metal, and hot sparks.

## Owner's Responsibilities

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present that require the use of PPE. If such hazards are present, you must select PPE and require employees to use it, communicate your PPE selection decisions to your employees, and select PPE that properly fits your employees.

You must also train employees who are required to wear PPE on how do the following:

- ◆ Use PPE properly,
- ◆ Be aware of when PPE is necessary,
- ◆ Know what kind of PPE is necessary,
- ◆ Understand the limitations of PPE in protecting employees from injury,
- ◆ Don, adjust, wear, and doff PPE, and
- ◆ Maintain PPE properly.

### Reviews & Stuff

This newsletter is intended to make you aware of some of the rules and regulations affecting you in the workplace. We would like to give you some insight into the progress of Business Staffing Inc., and to keep you abreast of the changes affecting staff leasing.

Please feel free to write to us and let us know your ideas on the things we could do to improve our services. We would appreciate your comments.

# PPE Selection: Chemicals

A large percentage of eye injuries are caused by direct contact with chemicals. These injuries often result from an inappropriate choice of PPE, that allows a chemical substance to enter from around or under protective eye equipment. Serious and irreversible damage can occur when chemical substances contact the eyes in the form of splash, mists, vapors, or fumes. When working with or around chemicals, it is

important to know the location of emergency eyewash stations and how to access them with restricted vision.



When fitted and worn correctly, goggles protect your eyes from hazardous substances. A face shield may be required in areas where workers are exposed to severe chemical hazards.

*It is almost to the point that if a person takes a day off, he falls behind in his income tax payments.*

PPE Devices for Chemical Hazards	
<b>Goggles</b>	Primary protectors intended to shield the eyes against liquid or chemical splash, irritating mists, vapors, and fumes.
<b>Face Shields</b>	Secondary protectors intended to protect the entire face against exposure to chemical hazards.

## Asimov 'Boldly Goes'

Isaac Asimov, one of the world's best known science fiction writers, died on April 16, 1992.

Born near Smolensk, Russia, his prolific writing career covered almost 500 books on the Bible, chemistry and biology, Shakespeare, Gilbert and

Sullivan, modern history, etc.

He also wrote mysteries, college texts and limericks as well as science fiction. *The Foundation Trilogy*, *Murder at the A.B.A.* (with himself as a character), and *I, Robot* are among his most famous works

## Carvie's Corner

### Editorial



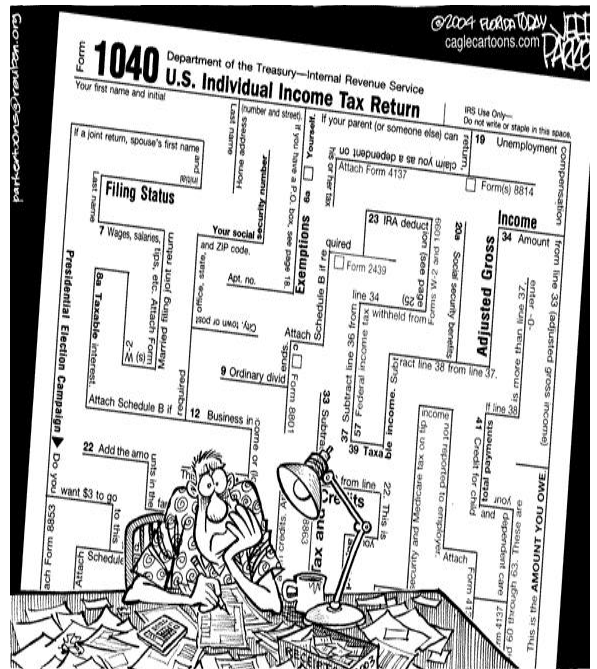
Personal protective equipment (PPE) is specialized clothing or equipment worn by employees for protection against health and safety hazards.

In the past, knights wore armor to protect themselves in battle. Hundreds of years later, we call it work and we do it daily. It is not for sport and we should not treat it as such.

PPE is designed to protect many parts of the body, i.e., eyes, head, face, hands, feet, and ears. It is one of the last lines of defense in keeping the employee safe. Engineering controls are the first line of defense.

Owners should conduct an assessment to determine the various physical hazards that may be present in their work area. After which, they should make sure that all employees follow their guidelines.

## The Taylors



Carvie  
ADL

# NEWS RELEASE

## Woman Sentenced in Orleans Schools Insurance Contract Case

[www.insurancejournal.com](http://www.insurancejournal.com) / April 17, 2009

**L**illian Smith Haydel, who pleaded guilty to paying kickbacks for insurance contracts to a former New Orleans school official, has been sentenced to five years probation.

Haydel, an aunt of former New Orleans Mayor Marc Morial, also will serve four months of home detention and pay \$20,000 in restitution to the Orleans Parish School Board.

Federal officials have brought charges against 27 people in their investigation of the Orleans Parish school system. All 27 have pleaded guilty or been convicted by a jury. Assistant U.S. Attorney Carter K.D. Guice Jr. says Haydel's cooperation resulted in at least two convictions.

Haydel's husband, Glenn Haydel, a consultant, served time in federal prison for bilking the New Orleans transit system out of \$540,000 during Morial's administration.

Morial, who is now head of the National Urban League, has not been accused of wrongdoing.

Hear Ye,  
Hear Ye,  
Hear Ye!

All ye who  
haveth eyes  
to see and  
ears to  
hear!

If you think  
you have an  
interesting  
story or  
article that  
you would  
like to see  
printed, in  
Reviews &  
Stuff send  
it in to me.  
If we use it  
in one of our  
publications,  
we will give  
you \$25.00.

Send all  
stories,  
articles and  
inquiries to:  
C. P.  
Chapman

(See address  
on page 2)

 **April is the Last Month.**  
**Do you STILL have your**  
**OSHA 300A Posted?**  
**If you have not received your company's forms**  
**please call your BSI regional office.**

Cooks fancy meals for you CHEF  
Assists you with purchases at the store CLERK  
Makes bread, cakes, and other treats BAKER  
Uses action and emotion to entertain ACTOR  
Helps you feel better when you're sick DOCTOR  
Keeps your money safe BANKER  
Brings you your food at the restaurant WAITER  
Grows the food to feed the world FARMER  
Presents insights and interpretations of life ARTIST  
They enforce the laws and protect the public POLICE  
Helps you when you need to buy or sell a home REALTOR  
Cleans your teeth to keep them healthy DENTIST  
Passes on the knowledge to the next generation TEACHER  
Prepares the meat for the people to eat BUTCHER  
Serves the country and keeps it safe SOLDIER  
Sports hero provides entertainment and inspira-  
tion ATHLETE

Fixes cars, trucks, planes and trains MECHANIC  
Designs roads, bridges, buildings, and vehicles ENGINEER  
Protects clients' interests to the extent of the law ATTORNEY  
Companies can't make money without one SALESMAN  
Big boss who runs the company EXECUTIVE  
Explores the final frontier ASTRONAUT  
Keeps track of your money and taxes ACCOUNTANT  
Knows the medicines you need PHARMACIST  
Buys low and sells high for a living STOCK-  
BROKER  
Supports the economy by keeping the goods moving TRUCK DRIVER  
"Crunches" your bones to help you feel better CHIROPRACTOR  
Professional preserver of the memories PHOTOGRAPHER



# The Silver Platter Safety Meeting



## Standard, Film or Topic of the Month:

**Personal Protective Equipment**

## Incident Review:

Incident / Near Miss	Action taken to prevent reoccurrence
Employee directing lumber on hoist. Lumber fell on employee's foot and injured several toes.	Foot protection is to be worn whenever there is the potential of something falling on an employee's foot.

## Questions and Suggestions:

Submitted by	Discussion / Topic	Status
Destiny	How can we get employees to wear PPE?	Wearing PPE should not be a choice. If management has stated that PPE is to be worn, then employees should abide by the company rules.

## Material Safety Data Sheet(s) Reviewed:

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## Safe Work Practice:


## Inspection / Housekeeping:


## Sign-In-Roster


Employee Signatures

## Safety Videos

9. Eye Injuries  
(Also available in Spanish)

26. Hard Hats, Hard Heads  
(Also available in Spanish)

31. Slag Injuries to the Eyes

84. Protective Equipment

112. Keeping it in Focus

114. Flash Burn

234. Dress Safe

239. Eye Injuries  
(Also available in Spanish)

263. The Choice is Yours: An AGC Guide to Personal Protective Equipment

264. Eye and Face Protection

321. Personal Protection

## PPE Selection: Dust

Dust is present in the workplace during operations such as wood-working and buffing. Working in a dusty environment can cause eye injuries and presents additional hazards to contact lens wearers.

Either eyecup or cover-type safety goggles should be worn when dust is

present. Safety goggles are the only effective type of eye protection from nuisance dust because they create a protective seal around the eyes.



### PPE Devices for Dust Hazards

#### Goggles

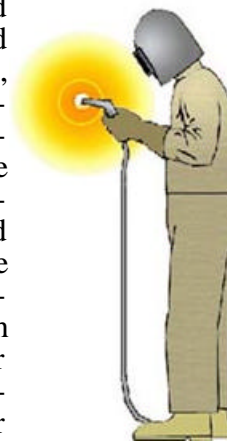
Primary protectors intended to protect the eyes against a variety of airborne particles and harmful dust.

## PPE Selection: Optical Radiation

Laser work and similar operations create intense concentrations of heat, ultraviolet, infrared, and reflected light radiation. A laser beam, of sufficient power, can produce intensities greater than those experienced when looking directly at the sun. Unprotected laser exposure may result in eye injuries including retinal burns, cataracts, and permanent blindness. When lasers produce invisible ultraviolet, or other radiation, both employees and visitors should use appropriate eye protection at all times.

Determine the maximum power density, or intensity, lasers produce when

workers are exposed to laser beams. Based on this knowledge, select lenses that protect against the maximum intensity. The selection of laser protection should depend upon the lasers in use and the operating conditions. Workers with exposure to laser beams must be furnished suitable laser protection.



### Lens Requirements

When selecting filter lenses, begin with a shade too dark to see the welding zone. Then try lighter shades until one allows a sufficient view of the welding zone without going below the minimum protective shade.

- ♦ 1910.133(a)(5) -General Industry
- ♦ 1915.153 (a)(4) -Maritime
- ♦ 1926.102(b)(1) -Construction

### Glare Protection

Control Glare with:

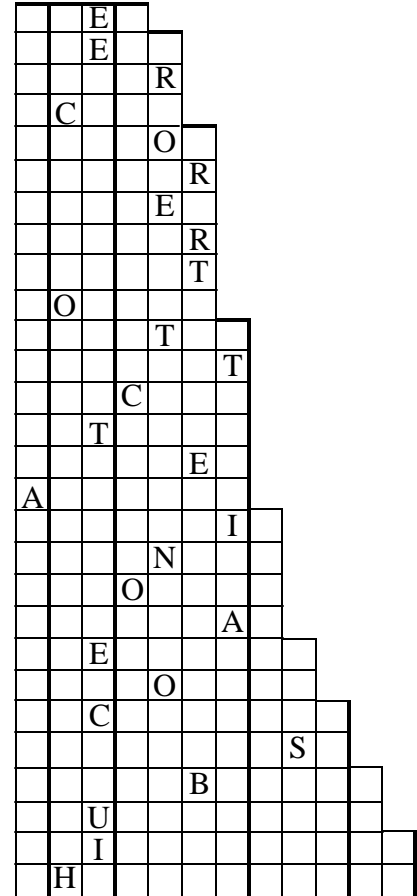
- ♦ Special-Purpose Spectacles that include filter or special-purpose lenses to provide protection against eye strain
- ♦ Changes in your work area or lighting
- ♦ Tinted eyeglass lenses or visor-type shade

S S S

*If you want to stand out, do the most difficult job.*

# JOBS!

- ♦ Cooks fancy meals for you
- ♦ Assists you with purchases at the store
- ♦ Makes bread, cakes, and other treats
- ♦ Uses action and emotion to entertain
- ♦ Helps you feel better when you're sick
- ♦ Keeps your money safe
- ♦ Brings you your food at the restaurant
- ♦ Grows the food to feed the world
- ♦ Presents insights and interpretations of life
- ♦ They enforce the laws and protect the public
- ♦ Helps you when you need to buy or sell a home
- ♦ Cleans your teeth to keep them healthy
- ♦ Passes on the knowledge to the next generation
- ♦ Prepares the meat for the people to eat
- ♦ Serves the country and keeps it safe
- ♦ Sports hero provides entertainment and inspiration
- ♦ Fixes cars, trucks, planes and trains
- ♦ Designs roads, bridges, buildings, and vehicles
- ♦ Protects clients' interests to the extent of the law
- ♦ Companies can't make money without one
- ♦ Big boss who runs the company
- ♦ Explores the final frontier
- ♦ Keeps track of your money and taxes
- ♦ Knows the medicines you need
- ♦ Buys low and sells high for a living
- ♦ Supports the economy by keeping the goods moving
- ♦ "Crunches" your bones to help you feel better
- ♦ Professional preserver of the memories



Answer on p. 5



**Business Staffing, Inc.**  
**2505 N. Frazier**  
**Conroe, TX 77303**



## The Suggestion Box

If you are having trouble getting your supervisor to participate in safety or if you have special safety concerns that are not being addressed, write me. We all must do our part to keep you safe and healthy.

