

Update Notice

Handbook EL-801, *Supervisor's Safety Handbook* June 2008

Handbook EL-801, *Supervisor's Safety Handbook*, was last printed in June 2008. To inform you of changes since that time, we periodically update this online edition of the handbook. We use vertical bars (i.e., revision bars) in the margin to indicate text changed since June 2008.

This online version of Handbook EL-801 has been updated with *Postal Bulletin* articles through 05-01-14, as follows:

The chapter, subchapter, part, appendix, or section...	titled...	was...	in <i>Postal Bulletin</i> issue number...	with an issue date of...
Chapter 2, Accident Investigation				
2-2	Investigating an Accident	revised to delete references to obsolete PS Form 4585 and PS Form 4586	22244	10-23-08
Chapter 8, General Safety Rules and Regulations				
8-21	Smoking	revised to clarify the definition of smoking.	22388	05-01-14
Appendix D, Safety Reference Materials				
D-2.1	PolicyNet and the Material Distribution Center	revised to delete references to obsolete PS Form 4585 and PS Form 4586	22244	10-23-08

Supervisor's Safety Handbook

Handbook EL-801

June 2008
Transmittal Letter

- A. Explanation.** This issue of Handbook EL-801 is a complete revision, updated with revisions through June 2008. In April 2006, the text was completely revised to clarify the roles and responsibilities of supervisors and employees with regard to health and safety issues. Appendix D was expanded to provide sources of information, both in the federal government and private sector, on a variety of health and safety topics.

This guide emphasizes the safety and health responsibilities of line managers. It gives direction on promoting safety and health, inspecting work areas, and completing job safety analyses. It also provides guidance for dealing with accidents, including reporting, determining causes, and prevention. This handbook gives supervisors the information and techniques they need to support Postal Service safety and health policies.

B. Distribution and Requisition.

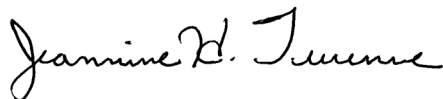
1. **Online:** This handbook is available on the Postal Service PolicyNet Web site: <http://blue.usps.gov/cpim>.
2. **Hard Copy:** Order from the Material Distribution Center. Use touch tone order entry (TTOE): Call 800-273-1509.

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- C. Comments.** Comments and questions about the content of this document can be submitted in writing to:

SAFETY AND ENVIRONMENTAL PERFORMANCE MANAGEMENT
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WASHINGTON DC 20260-4261

- D. Effective Date.** This handbook is effective June 2008.



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1 Accident Prevention

1-1 Supervisor's Responsibilities

The Occupational Safety and Health Act requires employers to provide a safe and healthful workplace free of recognized hazards and to follow Occupational Safety and Health Administration (OSHA) standards. Employers' responsibilities also include providing training, medical examinations, and record keeping.

As a Postal Service supervisor, you are the backbone of our Safety and Health Program. You are in a highly visible leadership position that requires setting the standard for accident prevention. You are responsible for implementing written programs and action plans, monitoring employees' safety performance, and preventing operational safety errors. To properly exercise your responsibility, you must know Postal Service safety rules and regulations and the rights and responsibilities of the employees you supervise. (Employee rights and responsibilities are explained in [1-4](#).)

You can find safety rules and regulations in this handbook and in:

- a. Handbook EL-814, *Postal Employee's Guide To Safety*.
- b. Chapter 8 of the *Employee and Labor Relations Manual (ELM)*.
- c. Handbook EL-803, *Maintenance Employee's Guide To Safety*.
- d. Publications listed in appendix D.

1-2 Postal Service Safety Philosophy

The Postal Service's position is that:

- a. Any injury can be prevented. This goal is realistic, not just theoretical. Supervisors or managers having primary responsibility for the well-being of employees must fully accept this principle.
- b. Management, including all levels through the initial-level supervisor, is responsible and accountable for the prevention of accidents and control of resultant losses. Just as the line organization is responsible for attaining production levels, ensuring quality of performance, maintaining good employee relations, and operating within cost and budget guidelines, supervisors and managers must likewise accept their share of responsibility for the safety and health of employees.
- c. It is possible to safeguard all operating exposures that can result in accidents and injuries, but it is better to eliminate the sources of

danger. However, where this is not practical, management must use protective measures, such as machine guards, safety devices, and personal protective equipment, and take administrative actions.

- d. All employees must be trained in proper work procedures and must be educated to work safely and to understand that they are responsible for doing so. Management is responsible for the adequate safety training and education of employees. However, all employees must be convinced that they are responsible for working safely, and that in doing so, they benefit not only their organization but also themselves.
- e. From the standpoint of both efficiency and economy, preventing personal injuries on and off the job is good business practice. Injuries cost money, reduce efficiency, and cause human suffering.

1-3 Good Safety Supervision

Carefully review [Exhibit 1-3](#), Seven Keys to Good Safety Supervision, to reduce or eliminate accidents in your work unit.

Exhibit 1-3

Seven Keys to Good Safety Supervision**Seven Keys to Good Safety Supervision****Key #1 Set a Good Example**

The phrase “actions speak louder than words” is an excellent guide. The example you set must reflect your sincere belief in good safety practices and alertness for hazards. Some specific suggestions are:

- a. Observe all safety and fire protection rules. If you make exceptions to such rules for your own convenience, regardless of the reason, you will seriously undermine the safety effort in your area.
- b. Wear personal protective equipment (PPE) where required; this is a good way to “sell” wearing PPE and demonstrates that it’s the smart thing to do. This is true even if you are not exposed to the same degree of hazard as your employees.
- c. Discuss some aspect of safety with your employees every day. The discussion doesn’t need to be a formal safety talk; it can simply be an informal mentioning of some aspect of safety. But the discussion makes safety a part of each day’s activities and demonstrates your own interest in safety.
- d. Be enthusiastic about safety. The enthusiasm you display will generate enthusiasm in your employees.
- e. Give safety priority. Don’t ever let quality, production, or cost considerations compromise safety or fire protection.

Key #2 Know the Operation

To be able to understand and evaluate fully the safety and fire hazards involved, you must thoroughly understand the entire process or operation for which you are responsible.

Key #3 Be Alert to Unsafe Conditions

Make every trip through your workplace an impromptu inspection tour; identify and correct hazards that might cause injuries.

Key #4 Inspect Often and Intelligently

Safe working conditions can be achieved only by finding and eliminating unsafe conditions and practices. Inspections help do this. While safety personnel and inspection committees should do some inspections, there is no substitute for a supervisor’s first-hand look. Include some of your employees on an inspection team to show them that they have a part in the safety effort. This gives you a chance to illustrate the standards of performance you expect.

Key #5 Take Effective Corrective Action

To be effective, you must translate your observations into effective corrective action. Make it clear that correction of an unsafe practice is not a reprimand, but a step toward improved safety performance. To be effective, you must correct unsafe practices promptly. Act while details of the incident are fresh in everyone’s mind and you will give the impression that you are prompt and decisive.

Key #6 Maintain Discipline

When safety performance falls below reasonable levels and there are no extenuating circumstances, you may need to take disciplinary action. Make disciplinary action consistent and fair to keep employee resentment at a minimum. Remember that the objective of disciplinary action is to improve performance. When workers ignore the rules, accidents occur. As a supervisor, you have no choice but to get tough and stay that way.

Key #7 Know Your Team Members

The ability of employees to do a specific job depends on their education, training, experience, and general capabilities. To achieve the safest, most efficient performance, you must know each individual employee’s characteristics when you plan job assignments, training programs, and performance reviews.

1-4 Employee Rights and Responsibilities

Employees have the right to:

- a. Become actively involved in the Postal Service Safety and Health Program and be provided a safe and healthful work environment.
- b. Report unsafe and unhealthy working conditions using Postal Service (PS) Form 1767, *Report of Hazard, Unsafe Condition, or Practice*.
- c. Consult with management through appropriate employee representatives on safety and health matters, such as program effectiveness and participation in inspection activities where permissible.
- d. Participate in the Safety and Health Program without fear of restraint, interference, coercion, discrimination, or reprisal.

OSHA requires workers to comply with all safety and health standards that apply to their actions on the job. Therefore, employees must:

- a. Read OSHA Posters, *Job Safety and Health Protection: 3165* (in English), 3167 (in Spanish), or 2203. (Posters 3165 and 3167 supersede Poster 2203, which will eventually be discontinued.)
- b. Follow the employer's safety and health rules and wear or use all required gear and equipment.
- c. Follow safe work practices for their job as directed by their employer.
- d. Report hazardous conditions to a supervisor or safety committee.
- e. Report hazardous conditions to OSHA if the employer does not fix them.
- f. Cooperate with OSHA inspectors.

1-5 Your Responsibility When Employees Report Hazards

Be aware of information from the *Code of Federal Regulations* (CFR) (see [Exhibit 1-5a](#)) concerning employee rights and responsibilities, including the employee responsibility to report hazards.

Exhibit 1-5a

Excerpt From Title 29, Code of Federal Regulations

29 CFR (part 1977)

§ 1977.12 Exercise of any right afforded by the Act.

(a) In addition to protecting employees who file complaints, institute proceedings, or testify in proceedings under or related to the Act, section 11(c) also protects employees from discrimination because of the exercise "of any right afforded by this Act."...

(b)(1) On the other hand, review of the Act and examination of the legislative history discloses that, as a general matter, there is no right afforded by the Act which would entitle employees to walk off the job because of potential unsafe conditions at the workplace. Hazardous conditions which may be violative of the Act will ordinarily be corrected by the employer, once brought to his attention....

(2) However, occasions might arise when an employee is confronted with a choice between not performing assigned tasks or subjecting himself to serious injury or death arising from a hazardous condition at the workplace. If the employee, with no reasonable alternative, refuses in good faith to expose himself to the dangerous condition, he would be protected against subsequent discrimination. The condition causing the employee's apprehension of death or injury must be of such a nature that a reasonable person, under the circumstances then confronting the employee, would conclude that there is a real danger of death or serious injury and that there is insufficient time, due to the urgency of the situation, to eliminate the danger.... In addition, in such circumstances, the employee, where possible, must also have sought from his employer, and been unable, to obtain a correction of the dangerous condition.

§ 1977.22 Employee refusal to comply with safety rules.

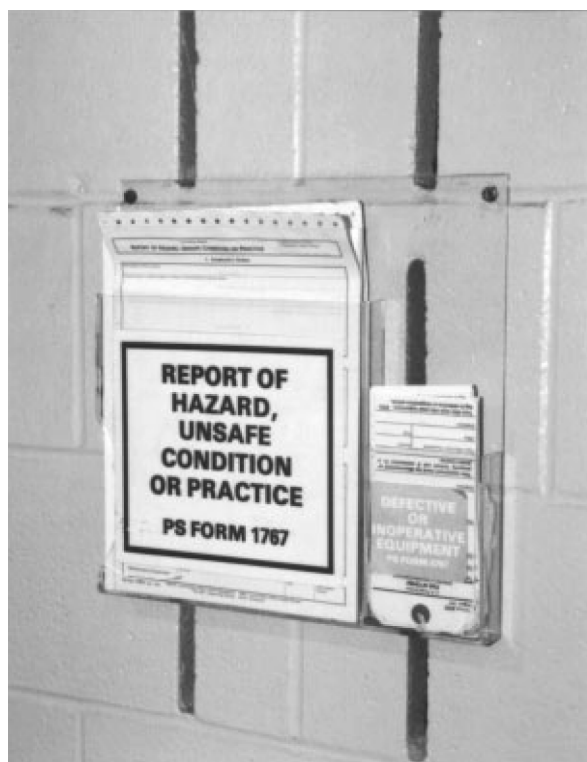
Employees who refuse to comply with occupational safety and health standards or valid safety rules implemented by the employer in furtherance of the Act are not exercising any rights afforded by the Act. Disciplinary measures taken by employers solely in response to employee refusal to comply with appropriate safety rules and regulations, will not ordinarily be regarded as discriminatory action prohibited by section 11(c). This situation should be distinguished from refusals to work, as discussed in § 1977.12.

When reporting hazards, your employees are encouraged to complete PS Form 1767, *Report of Hazard, Unsafe Condition, or Practice* (see Exhibit 1-5b). You must ensure that a supply of PS Forms 1767 is available in your work unit so that employees can obtain them while maintaining their anonymity. The purpose of PS Form 1767 is to provide a channel of communication between employees and management that ensures prompt analysis and corrective action in response to reports of alleged hazards, unsafe conditions, or unsafe practices.

Just as your employees have a responsibility to file reports of hazards, you have a responsibility to promptly (within your tour of duty) investigate the alleged hazard and respond to your employees using the blue copy of PS Form 1767.

Resolve the hazard, unsafe condition, or practice issues if possible. Complete a work order and attach it to the top copy of PS Form 1767. Follow up to see that the hazard, unsafe condition, or practice has been corrected. Notify the employee of the results.

Exhibit 1-5b
PS Form 1767



1-6 The Role of the Safety Professional

As a supervisor, you need to be in close contact with the safety professional in your district or plant. It is very important that you understand the role of the

safety professional. In addition to performing the functions found in ELM Chapter 8, Safety and Health, the safety professional does the following:

- a. Provides advice and technical knowledge to all levels of management about safety, health, and fire protection matters.
- b. Reviews safety, health, and fire protection plans.
- c. Recommends actions and solutions to resolve safety and health problems.
- d. Helps to train supervisors so they can better fulfill their safety responsibilities.
- e. Helps to orient new employees by informing them of their safety responsibilities.
- f. Develops, administers, and promotes safety and health programs.
- g. Provides management with an analysis of accidents so action plans can be developed.
- h. Coordinates with appropriate environmental professionals on environmental issues that affect employee health.

1-7 Safety Talk Requirements

Scheduled safety talks are intended to promote safety awareness. All line supervisors are required to conduct safety talks at least once a week with their employee groups, including temporary, casual, and relief personnel.

It is important to make the topics of safety talks relevant to your work situation and interesting to your employees. Involve them in developing topics and provide an opportunity for discussion and demonstration when applicable. Publication 129, *Safety Talks*, is an excellent resource.

Your talks can be an effective method of maintaining interest in safety.

Review these keys to making a good safety talk:

- a. Prepare your talk carefully.
- b. Try to confine each talk to one major subject; avoid rambling.
- c. Choose a general or specific safety policy or subject, but keep the talk interesting and targeted.
- d. Be specific whenever possible. For example, if you discuss housekeeping, highlight the danger of loose objects on the floor.
- e. Use visual aids or demonstrations to make your talk more interesting.

You must keep a record of all safety talks on file for 3 years, including the following:

- a. The date, time, and unit where the safety talk was given.
- b. The name of the person giving the talk.
- c. The subject of the talk.
- d. The names of employees attending the safety talk. An annotated unit roster or other automated attendance document is acceptable.

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2 Accident Investigation

This chapter applies to accidents that occur both at the work site and away from the work site (on and off premises).

2-1 Purpose of an Accident Investigation

The primary purpose of an accident investigation is to identify the root cause or causes of the accident and to implement corrective actions to prevent similar accidents from occurring in the future. An accident investigation is a fact-finding process that involves identifying and documenting all causal factors.

The key to successful accident investigation is timeliness. Immediately conduct an on-site investigation and document the circumstances of every accident in your work area. When statements from witnesses are necessary, it is critical that you gather them as soon as possible after the accident. You must keep the witnesses separated until you can secure their respective statements. Guidance is available from your safety professional, injury compensation staff, and district accident investigator. Consult with these individuals and refer to this chapter any time you have concerns regarding accident investigations.

If a supervisor is not readily available when an accident takes place, employees must report the accident to the designated person-in-charge.

2-2 Investigating an Accident

The preparation and submission of accurate accident reports is critical to the accident prevention process. You must:

- a. **Secure the accident scene and arrange medical care.** If possible, you should immediately secure the accident site and, if necessary, arrange medical care for any injured parties. If the site is controlled by the police, identify yourself as a Postal Service supervisor, inquire about injuries to employees or customers, and then determine the security of the mail. Remember, your first priority is to ensure that the injured parties receive prompt medical care.
- b. **Investigate the accident scene thoroughly.** Interview the employees and witnesses until you are satisfied that you have a complete assessment of what happened.

- c. **Complete the required documentation.** Forms used in an accident investigation are indicated below in (1) through (5).
- (1) **PS Form 1769, *Accident Report***, is the official Postal Service form that provides a detailed account of the accident in narrative and coded formats. PS Form 1769 is required for all accidents and injuries regardless of the severity of injury or the amount of property damage.
Note: PS Form 1769 must be completed whenever an employee sustains an injury, whether or not a CA form is submitted.
 - (2) **Office of Workers' Compensation Programs (OWCP) Form CA-1, *Federal Employee's Notice of Traumatic Injury and Claim for Continuation of Pay/Compensation***, is completed by the employee and the supervisor when an employee reports a job-related injury. The form is required to support any claim made by the employee regarding injury compensation.
The Federal Employees' Compensation Act (FECA) requires the injured employee to provide written notice of a traumatic injury within 30 calendar days of the injury to be entitled to a continuation of pay (COP). Employee failure to give notice of injury within this 30-day period may result in a loss of entitlement to COP. Also, employee failure to give notice within a 3-year period may result in the loss of compensation rights. Injured employees must use an OWCP Form CA-1 to file a traumatic injury claim.
Note: PS Form 1769 must be completed whenever an employee submits an OWCP Form CA-1.
 - (3) **OWCP Form CA-2, *Notice of Occupational Disease and Claim for Compensation***, is used by any employee who believes he or she has developed an occupational disease or illness. The employee must give written notice to the official supervisor when he or she first becomes aware that the condition was causally related to employment. If, for any reason, it is impractical to give notice to the employee's official supervisor, notice of the disease or illness may be given to any Postal Service official or to the OWCP.
Note: PS Form 1769 must be completed whenever an employee submits an OWCP Form CA-2.
 - (4) **PS Form 1700, *Accident Investigation Worksheet***, is completed by a supervisor when investigating motor vehicle and customer accidents.
Note: PS Form 1769 must be completed for all customer and motor vehicle accidents.
 - (5) **SF 91, *Motor Vehicle Accident Report***, must be completed by all Postal Service drivers involved in a motor vehicle accident. The form is the driver's statement of the circumstances of the accident.

Sections 245.3 and 261.23 in Handbook PO-701, *Fleet Management*, contain background information on Standard Form (SF) 91, *Motor Vehicle Accident Report*, and PS Form 1700, *Accident Investigation Worksheet*.

2-3 Preparing the Accident Report

2-3.1 **Completing PS Form 1769, Accident Report**

The employee's immediate supervisor must complete PS Form 1769, *Accident Report*, within 24 hours of notification of an accident. First complete the written narrative on the right side, then complete the left side by using numerical codes.

As the supervisor filling out the form, you must use the code that most closely describes the circumstances of the accident. If you can't find the appropriate code, you must include a narrative description of the circumstances.

In your narrative statement, describe as clearly as possible the events that occurred during the accident sequence. Be as detailed as possible, keeping in mind that your narrative needs to provide upper management and safety personnel a clear understanding of the circumstances of the accident.

If Postal Service equipment was involved or caused the accident, identify the type, model, serial number, vehicle number, and other identifying information for the equipment.

2-3.2 **Submitting the Accident Report**

You must submit PS Form 1769 to the servicing safety office within 3 calendar days of the accident. Follow submission procedures explained in the General Instructions of PS Form 1769.

Note: The supervisor at the level directly above you must review and sign PS Form 1769 to vouch for its accuracy. If the form is missing data or is not properly completed, the approving supervisor will return it to you for correction before signing it.

2-3.3 **Examples of Corrective Measures**

Indicate on the right side of PS Form 1769 what actions you plan to take to prevent a similar accident. You may want to begin by reviewing the employee's accident history. The safety professional can provide a report on the employee's accident history during the past 5 years. Study the causes of the accident carefully and decide what corrective measures are needed. Some examples of corrective measures are to:

- a. Guard exposed moving parts of machinery.
- b. Eliminate hazardous exposures.
- c. Develop new work procedures.
- d. Advise employees to use personal protective equipment.
- e. Train employees or provide refresher training.
- f. Enforce safety and health rules.

- g. Replace defective or malfunctioning equipment.
- h. Demonstrate good personal safety practices to reinforce employee habits.
- i. Take appropriate corrective action for violations of safe work practices.

2-3.4 **Possible Causative Factors**

An accident is seldom caused by one factor; usually several are involved. As the supervisor, you must ensure that you have explored every circumstance surrounding the accident. The items listed in *a* through *n* may individually or in combination contribute to the occurrence of an accident:

- a. Poor housekeeping.
- b. Improper use of tools, equipment, or facilities.
- c. Lack of proper work procedures.
- d. Unsafe or defective equipment or facilities.
- e. Failure to follow prescribed procedures, safety standards, or safe work practices.
- f. Lack of job training.
- g. Lack of hazard awareness.
- h. Lack of proper tools, equipment, or facilities.
- i. Lack of safety devices, such as guards.
- j. Lack of personal protective equipment.
- k. Actions that exceed prescribed limits, loads, speed, strength, or other restrictions.
- l. Inattention.
- m. Fatigue or reduced alertness.
- n. Poor work attitude or misconduct that results in unsafe practices.

Be alert to these potential factors daily as you interact with employees. Because it is easy to become complacent with the day-to-day activities of the unit, review the items listed in *a* through *n* periodically to remember the unsafe situations that may need your attention. Enforce safety rules consistently. You cannot allow an employee to perform unsafe acts repeatedly and then elect to take corrective action only when the unsafe behavior causes an accident.

2-3.5 **Accident Investigation Follow-Up**

Once you have completed the accident investigation and submitted all required forms, follow up with the corrective actions indicated on PS Form 1769. The following are examples of possible corrective actions:

- a. Complete PS Form 4584, *Observation of Driving Practices*, for any employee involved in a motor vehicle accident (regardless of fault). You must do this within a few days following the accident. Spend at least 15 to 30 minutes observing the driver. If the driver consistently demonstrates safe driving practices, congratulate him or her and encourage future safe driving habits. If the driver demonstrates any unsafe driving practices, discuss these practices with the driver to

ensure that he or she understands the correct driving method. Complete PS Form 4584 again if the driver's driving habits do not improve.

- b. Complete PS Form 1783, *On-the-Job Safety Review/Analysis*, regarding the work activity the employee was engaged in at the time of the accident. Involve the employee in demonstrating the safe method of performing the task and identifying any hazards inherent in the task.
- c. Observe the employee's work practices each day for the next 2 weeks. Positively reinforce the good things you observe and immediately explain and correct any deficiencies.

2-4 Requirements for Reporting Fatalities and Serious Accidents

2-4.1 Reporting Serious Accidents

All serious accidents must be reported through management channels. Immediately notify the safety professional and your next level manager of a serious or potentially serious accident. The term *serious accident* includes:

- a. Any occupational accident that is fatal to one or more employees.
- b. Any occupational accident that results in the in-patient hospitalization of one or more employees.
- c. Any occupational illness or disease that results in the death of an employee.
- d. Any Postal Service-related accident involving non-Postal Service persons that results in a fatality or the in-patient hospitalization of one or more persons.
- e. Occupational accidents that are not immediately reportable but that result in the death of an employee or non-Postal Service person within 6 months of the date of the accident.
- f. Any occupational injury to an employee or non-Postal Service person involving mutilation, amputation (including major cartilaginous body parts such as ears or nose) or loss of vision in one or both eyes.
- g. Any occupational accident involving property damage (combined Postal Service and non-Postal Service) estimated to exceed \$100,000.
- h. Any occupational accident of one or more employees that results in in-patient hospitalization due to chemical exposure. (*In-patient hospitalization* does not refer to observation, emergency room use, or other forms of out-patient care.)

ELM subchapter 820 provides the format you use to prepare a preliminary serious accident report.

2-4.2 **Reporting to the Occupational Safety and Health Administration: Special Circumstances**

As a supervisor, you are required to help employees prepare Postal Service accident- and injury-related documents. In addition to Postal Service reporting requirements, be aware of OSHA reporting requirements. The supervisor must notify OSHA within 8 hours of the death of an employee from a work-related industrial or motor vehicle accident and of the in-patient hospitalization of three or more employees. You must coordinate and deliver your notification to OSHA through normal management channels. These channels usually include safety or human resources personnel in consultation with upper management.

The supervisor must provide the following information to the safety or human resources professional for delivery to OSHA:

- a. Facility name and address.
- b. Location of accident.
- c. Date and time of accident.
- d. Number of fatalities and/or employees hospitalized.
- e. Postal Service contact person's name and telephone number.
- f. Brief description of the accident.

3 Delivery Operations

3-1 Animal Interference

3-1.1 General

You, the supervisor, must caution carriers to use extra care in making deliveries when dogs and other animals are loose on the route. Instruct carriers **never** to pet or feed a dog. Advise carriers that one method for preventing attacks is to reassure a dog in a friendly manner — from a distance.

A carrier's satchel and dog repellent are important tools for defending against attempted attacks by dogs or other animals. Instruct carriers how to use these tools and encourage them to keep the tools handy when dogs or other animals are loose on the route. (Consult Handbook EL-814, *Postal Employee's Guide to Safety*, for additional information.)

Instruct your employees how to use dog repellent as follows:

- a. Use only when an attack is imminent.
- b. Spray into the dog's eyes.
- c. Do not allow the repellent to come in contact with human skin or eyes.
- d. Keep dog repellent clipped to yourself or on your satchel — never inside a vehicle — because summer heat may cause the container to rupture.
- e. Remember: repellent may not work on all dogs.

When a carrier is threatened or attacked by an animal, he or she must immediately report the incident to you. You are responsible for taking immediate corrective action to prevent recurring situations, including suspending mail delivery if warranted.

Where animal attacks have occurred or unrestrained dogs are known to be present, the person casing the mail must place PS Form 1778, *Dog Warning Card*, in each carrier's case. Each day, the person casing the mail must warn the carrier by placing the card in a letter case separation at least one delivery stop ahead of where the dog is known to pose a problem. At a minimum, the card must contain the following: (a) address of attack; (b) resident's name; and (c) description of the animal.

These cards are a valuable aid to prevent dog attacks and provide protection to carriers who are not familiar with a route or who are serving a new customer. PS Form 1778 provides these instructions for the postmaster: "If customer moves, immediately forward this form under separate cover to the receiving office postmaster in order to alert carrier of a new dog on route."

Regularly notify carriers that they are not required to make a delivery if there are insect threats (such as hives or nests) that endanger the carrier. Tell carriers to report to you immediately any nondelivery of mail because of animal interference.

3-1.2 **Required Action for Animal Bites**

Make sure that anyone you supervise seeks medical treatment immediately for any animal bite. Notify animal control authorities of any animal bite so that the animal may be observed for symptoms of rabies. If the animal's owner is located, he or she must provide proof of the animal's rabies vaccination.

3-2 Defective Equipment and Machinery

Remove defective equipment from service immediately. Use PS Form 4707, *Out of Order*, to report a defective piece of equipment. Tag the equipment with PS Form 4707, take it to be repaired, or warehouse it in an area designated for defective equipment. Do not remove tags until repairs are completed. Do not allow anyone to place a defective piece of equipment back into service until appropriate repairs are completed.

If an employee wants to remove from service a piece of automated or mechanized machinery or equipment, he or she must notify the immediate supervisor about the defects before tagging. In certain situations, the supervisor may wish to isolate a particular part of the machine until the machine has been tagged. Pursuant to local Postal Service policy, the employee may have to submit PS Form 1767, *Report of Hazard, Unsafe Condition, or Practice*, when the out-of-order tag is issued.

Drivers use PS Form 4565, *Vehicle Repair Tag*, to report vehicles that need repair. You must ensure that all carriers perform a daily vehicle inspection before driving a Postal Service-owned or -leased vehicle, as indicated in Notice 76, *Expanded Vehicle Check*. Carriers must complete PS Form 4565 and submit it to you if they find a defect in the vehicle during the inspection. Do not allow carriers to drive motor vehicles with defects or safety deficiencies.

3-3 General Office and Delivery Safety Rules

3-3.1 **Automated or Powered Equipment**

Instruct your employees to follow these rules when using automated or powered equipment:

- a. Observe all warning signs and notices that have been installed for employee protection.
- b. Comply with all safety and health regulations, procedures, and practices, including the use of approved personal protective equipment (PPE).

3-3.2 **Fingering Mail**

Instruct carriers not to finger mail when driving, walking up or down steps or curbs, crossing streets, or any time fingering mail would create a hazard to the carrier or to the public. (See [Exhibit 3-3.2](#).)

It is equally important to caution employees that sorting or reading addresses while a vehicle is in motion is prohibited and cannot be allowed under any circumstances.

The carrier must stop the vehicle properly and put transmission in *park* before attempting to put the mail in order.

Exhibit 3-3.2

Fingering Mail



3-3.3 **Footwear**

All carriers with a uniform allowance must have footwear that complies with SR/USA standards (slip-resistant, made in the USA with a tag designated SR/USA). Periodically check to ensure that carriers are wearing approved footwear. (See 8-8 for additional information.)

3-3.4 **Hazardous Conditions**

Tell carriers to make every effort to deliver the mail in a safe manner. Also tell carriers that they must use good judgment and not risk personal injury as a result of exposure to icy steps, broken or rotten steps or porches, protruding nails or sharp edges on mailboxes, or other hazardous conditions. You must instruct carriers to report hazardous conditions. You must take appropriate action to correct the hazard and/or to ensure that information about the hazard is placed on a PS Form 1766, *Hazard Warning Card*.

3-3.5 Letter and Flat Cases

Instruct employees in the following procedures regarding safety and maintenance of letter and flat cases:

- a. Do not store anything (including personal items such as radios or bottles) on top of cases.
- b. Anchor letter and flat cases for stability; where anchoring is impractical, connect them to each other.
- c. Bolt wing cases and half-wing cases securely to letter cases.
- d. Level cases, if necessary.
- e. Keep letter cases and tables free of sharp edges.
- f. Do not tie chairs to letter cases.
- g. Fans may be installed on case tops if they are securely bolted, properly wired, and guarded.

3-3.6 Street Delivery and Collection Boxes

Supervisors must conduct annual safety inspections on all parcel lockers, neighborhood delivery and collection box units (NDCBUs), collection boxes, and relay boxes. Each must be checked for corrosion, absence of bolts in any mounts, cracks, or other deficiencies. Remove any defective unit from service and have it repaired immediately. Keep a log detailing the dates and results of the inspections.

3-3.7 Slips, Trips, and Falls

You must continuously remind carriers to be aware of and to report slip, trip, and fall hazards on their routes (see [8-20](#)). Such hazards include:

- a. Porches or steps painted with glossy paint or otherwise having a glossy surface (although safe in dry weather, glossy surfaces present an unexpected hazard when wet due to rain, snow, ice, or use of a lawn sprinkler).
- b. Sidewalks that are broken, uneven, finished with an extremely smooth surface, or covered with moss or other chronic plant growth.
- c. Sidewalks, porches, or yards with debris, toys, or other tripping hazards.
- d. Sidewalks not shoveled soon after a snowstorm or shoveled with an inadequate path.
- e. Cold weather hazards such as ice melting from eaves and refreezing on a walk or porch, and snow- or ice-covered porches and steps.
- f. Tripping hazards covered with snow.

3-3.8 Unsafe Delivery Points

Encourage carriers to report defective or hazardous mailboxes. Alert carriers to hazards such as items on ledges, balconies, or roofs that are not adequately restricted from falling. Also, alert them to hanging items that may be in the line of travel. Make sure that carriers note any regularly occurring

hazardous condition using PS Form 1766, *Hazard Warning Card*, in the letter case, and an annotation in the route book.

3-4 Rural Delivery Operations

3-4.1 Responsibility

Unless a Postal Service-owned or -leased vehicle is assigned to the route, the rural carrier is responsible for furnishing all vehicle equipment necessary for safe and prompt handling of the mail.

3-4.2 Open Approaches to Boxes and Passable Roads

Delivery supervisors must inform rural carriers of the importance of using the following forms to keep approaches to boxes open and roads passable:

- a. PS Form 4056, *Your Mail Box Needs Attention*.
- b. Notice 38, *Approaches to Curbside Mailboxes*.
- c. PS Form 4024, *Request to Repair Roads*.

3-4.3 Placement of Rural Mail Receptacles

Customers are required to remove all obstructions (including snow) that hinder or prevent delivery. Use Notice 38 and PS Form 4056 to notify customers to correct these deficiencies. Use PS Form 4056 to request mailbox repair.

In all cases, customers must place rural boxes (mail receptacles) on the right-hand side of the road in the direction of travel, so the carrier may serve them safely, conveniently, and without leaving the vehicle.

3-4.4 Safe Driving Practices

Supervisors must instruct rural carriers in the following safe driving practices:

- a. After pulling off the road to serve a mailbox, always look before pulling back into traffic.
- b. Use extreme caution when traveling narrow or winding country roads where excessive growth and brush obstruct the view of oncoming traffic and permit only limited visibility at intersections.
- c. Report excessive growth and brush obstructions as well as roads in need of repair to the proper authorities, using PS Form 4024, *Request to Repair Roads*.
- d. Stay on the right side of an unmarked road, unless the road is designated as one way.
- e. Sit on the left side of left-hand drive vehicles so that both hands can be used to steer and foot controls are accessible.
- f. Do not place mail on the dashboard so that it obscures vision or interferes with the handling of the vehicle.
- g. Secure mail containers so that no movement can occur that would interfere with operation of the vehicle.

- h. Use extreme care and good judgment in any kind of traffic encounter with farm or heavy-duty equipment, especially when attempting to pass. You do *not* have the right of way because you are transporting mail.

3-5 Motor Vehicle Safety

3-5.1 Driving Responsibilities

Drivers are responsible for the safe operation of any vehicle they drive during the performance of their duties. Employees driving motor vehicles (whether Postal Service-owned, -leased, or -rented) must carry a valid state license (or commercial driver's license) at all times.

Postal Service drivers are required to obey state and local vehicle laws. While operating motor vehicles, Postal Service drivers must be courteous and considerate of other drivers and pedestrians. The supervisor must enforce traffic-control patterns and traffic regulations on Postal Service premises, especially in the mail-loading dock areas and at entrances or exits.

3-5.2 Training Requirements

You, the supervisor, are responsible for ensuring that drivers have the required initial driver's training. You are also responsible for scheduling any additional refresher driver's training for employees with deficient driving skills.

3-5.3 Ability to Operate Motor Vehicles

Employees must be physically and mentally fit to operate a vehicle, so monitor your drivers to ensure that they are. If you have any doubt about their physical or mental ability to drive, you must temporarily suspend their driving privileges and contact medical or safety personnel for additional guidance.

3-5.4 Motor Vehicle Safety Rules

You must ensure that motor vehicle operators follow all motor vehicle safety rules, including those listed in a through y:

- a. Comply with Notice 76, *Expanded Vehicle Safety Check*, which requires daily vehicle safety checks.
- b. Make certain that every Postal Service vehicle has an Item 087-H, *Accident Report Kit*.
- c. Use PS Form 4565, *Vehicle Repair Tag*, to report all mechanical defects, failures, and vehicle damage.
- d. Comply with Handbook PO-701, *Fleet Management*, 243.1, which requires vehicles one ton or larger and regularly scheduled for intercity and airport runs to have a fire extinguisher and emergency warning device kit. The extinguisher and warning device must also be carried on wreckers, vehicle maintenance facility service vehicles, and plant vehicles.

- e. Wear seat belts (see [3-5.8](#)).
- f. Carry only authorized passengers in Postal Service vehicles.
- g. Shut off the engine before fueling a vehicle.
- h. Do not smoke when fueling a vehicle.
- i. Remember that fingering or holding mail in the hand or hands while driving is prohibited.
- j. Move a vehicle only when absolutely certain that it is safe to do so, especially if children may be nearby. If not absolutely certain, you must dismount, circle the vehicle, and check underneath it to make sure it is safe to move the vehicle.
- k. Yield the right of way and make any other concessions to avoid an accident.
- l. Always maintain a safe stopping distance, being especially careful during adverse weather.
- m. When following another vehicle in clear weather, judge the necessary distance between vehicles by using the 4-second rule, as follows: (1) identify a fixed object; (2) observe the vehicle in front of you passing a fixed object; (3) then count 1001, 1002, 1003, 1004. Your vehicle should not pass the same fixed object location before 1004. Increase the distance when roads are wet or slippery and when visibility is limited.
- n. Use turn signals before turning, changing lanes, or pulling to or away from the curb or shoulder of the road.
- o. Enter all unregulated or unprotected intersections slowly and cautiously.
- p. Before entering any intersection, slow down and look left, then right, and then left again.
- q. Never wear headphones or any other device that can diminish hearing while operating a motor vehicle.
- r. Always drive at a safe speed. Never exceed the speed limit. Keep in mind that under certain conditions the posted speed limit may not be the safe one.
- s. Obey all highway railroad crossing warnings, such as speed limits, lights, and gates or barriers.
- t. Park only in designated or authorized parking spaces.
- u. Follow one-way directional signs in traffic lanes.
- v. Observe traffic signals when entering and leaving Postal Service premises.
- w. Do not throw litter from the vehicle. Use approved receptacles to deposit litter.
- x. Obey all local, state, and federal traffic laws.
- y. Do not use a cell phone while driving. Pull off the road to a safe location before using the phone.

3-5.5 **Fueling Vehicles**

Smoking is not permitted within 25 feet of gasoline pumps or gasoline storage tanks. Post these areas with "No Smoking" signs in plain view and instruct all personnel working or entering such areas to observe this requirement. Vehicle engines must be shut off during fueling operations. You and the operators must be trained on alternative fueling procedures for vehicles powered by compressed natural gas or other similar fuels.

Make sure your drivers know the location of the emergency shut-off switch for the fuel pump on Postal Service premises and the nearest fire extinguisher.

3-5.6 **Backing Vehicles**

Backing accidents are preventable. Drivers must never back a vehicle until they are sure that the way is clear. If necessary, they should get out of the vehicle to check behind it before backing.

3-5.7 **Parking Vehicles**

When parking vehicles, drivers must place the vehicle in parking gear, set the parking brake, turn off the engine, and remove the key. If the vehicle will be out of their sight, they must lock it. When parking a vehicle uphill, they must turn the front wheels away from the curb. When parking downhill, they must turn them into the curb. Train your drivers to remember: "uphill – out," and "downhill – in."

3-5.8 **Seat Belts and Vehicle Doors**

Postal Service drivers must wear seat belts when their vehicles are in motion. When driving a long-life vehicle, they must wear the lap belt and shoulder belt whenever their vehicles are in motion.

Exception: When shoulder belts prevent drivers from reaching to deliver to or collect from curbside mailboxes, they may unfasten the shoulder belt, but *never* the lap belt.

Postal Service drivers may carry only authorized passengers. All passengers must remain seated and wear a lap belt and shoulder harness whenever the vehicle is in motion.

Rural carriers must follow the policy outlined in Handbook PO-603, *Rural Carrier Duties and Responsibilities*, 171.5.

When drivers are traveling to and from their routes, when they are moving between park and relay points, and when they are entering or crossing intersecting roadways, they must be sure that all vehicle doors are closed.

All vehicle doors must be secured when the vehicle is left unattended and out of the driver's immediate sight.

Exception: The Postal Service fleet includes a number of 1-ton, 2-ton, and 2.5-ton step-van-style vehicles that have left-hand-drive cab compartments with sliding doors and closed cargo areas. When driving these vehicles, drivers must keep the rear door closed and close the left door when the vehicle is in motion. They may leave the right door open if the cargo partition

is closed and there are no passengers, mail, or loose equipment in the cab area. When drivers operate vehicles on delivery routes and travel in intervals of 500 feet (1/10 mile) or less at speeds no greater than 15 miles per hour between delivery stops, they may leave the door on the driver's side open. (See [Exhibit 3-5.8](#), Seat Belts and Vehicle Doors.)

Exhibit 3-5.8

Seat Belts and Vehicle Doors



3-5.9 Safe Driver Award Program

Postal Service drivers may be eligible for the National Safety Council Safe Driver Award. Consult your servicing safety office for information.

3-5.10 Observation of Driving Practices

To enforce a high standard of professional driving performance, you must complete PS Form 4584, *Observation of Driving Practices*, for each driver under your supervision twice a year and at other times deemed appropriate. You must familiarize yourself with defensive driving techniques so that you know what the common driving errors are, how they can be detected, and how they can be prevented.

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4 Processing and Distribution Operations

4-1 Automated Equipment

Automated postal equipment is used nationwide. Make your employees aware of basic safety rules for working on, with, or around automated equipment. (See Handbook PO-502, *Container Methods*, for further information on proper use of mail equipment.)

Never let employees work on or with automated equipment unless they receive specific training for that equipment. Training in the use of automated equipment must be documented in the employees' training records.

Enforce these basic safety rules around automated or other powered equipment:

- a. Never allow untrained personnel to work on or with automated or other powered equipment.
- b. Employees must observe and follow all warning signs and notices that have been installed on equipment for their protection.
- c. Employees must comply with all safety and health regulations, procedures, and practices, including the use of approved personal protective equipment (PPE).
- d. Warn employees not to wear loose clothing (including ties and scarves), long or unconfined hair, or dangling jewelry around equipment.
- e. Never allow employees to override or disable safety interlocks or switches. When troubleshooting, authorized maintenance employees may perform this task.
- f. Make sure that employees check for defects in equipment before using.
- g. Determine that all safety devices and emergency stops are functioning as designed.
- h. Make sure that your employees always follow proper start-up procedures.
- i. Review glove safety in [4-5](#).

4-2 Mechanized Hamper Dumpers and Lifts

Consider using mechanized hamper dumpers, container tilters, lifts, and other material-handling equipment to reduce the potential for injury in manual mail processing operations. (See Handbook PO-502, *Container Methods*, for further information on proper use of hampers and other mail containers and equipment.)

4-3 Dock Plates

Make sure that your employees follow the guidelines and procedures in a through g when using dock plates:

- a. Use portable and powered dock plates (or bridge plates) for loading and unloading wheeled equipment from vehicles. Make sure that dock plates are strong enough to carry the loads required and that the carrying capacity is plainly marked on the dock plate (see 29 CFR 1910.30 (a)(1)).
- b. When portable dock plates are not in use, store and anchor them in an upright position.
- c. When dock plates are in use, secure them in position, either by anchoring them or equipping them with devices to keep them from slipping or sliding.
- d. To be handled safely, dock plates must be equipped with handholds, handles, or other materials that aid in moving or repositioning them (see 29 CFR 1910.30 (a)(4)).
- e. Where possible, make sure dock plates are equipped with fork loops or lugs to allow handling by fork trucks.
- f. Make sure dock plates have a high-friction surface to prevent employees or trucks from slipping on them.
- g. Do not use plywood, scrap metal, or handmade materials as dock plates.

4-4 Dock or Scissor Lifts

Unless employees are properly trained, do not allow them to use powered lifts. Instruct employees to:

- a. Check control cords frequently for broken insulation or frayed wiring.
- b. Use safety chains to prevent equipment from rolling off the open end of the lift.
- c. Allow only trained personnel to service a dock or scissors lift.
- d. Remove or disable the lift's power source during non-business hours to prevent unauthorized use.

4-5 Safety Principles for Wearing Gloves

The appropriate use of gloves provides hand protection in many situations, but the improper use of gloves contributes to accidents and injuries. (See Management Instruction (MI) EL-810-2001-1, *Personal Protective Equipment and Respiratory Protection Programs*, for more detailed information.)

Make sure that employees are aware of these safety principles for wearing gloves:

- a. Use gloves for materials-handling activities that do not involve potential contact with powered machine parts.
- b. Wear gloves appropriate for the hazard if there is a possibility of hand injury, such as when handling abrasive, splintered, sharp-edged, corrosive, or contaminated objects.
- c. Where risk of injury is increased because of machinery, wearing gloves is prohibited. Do not wear gloves when they can get caught in powered machinery. Examples include the following: (1) feeder, induction, stacker, and transport conveyor paths of mail processing machines; (2) conveyors with pinch and/or nip points; and (3) drills, chain drives, and rotating shafts with catch points.
- d. Because some people are allergic to latex, use latex gloves only in situations where their physical or chemical properties are required for protection against specific hazards.
- e. Never use gauntlet-type gloves.

4-6 Yard and Dock Operations

Ensure safe operations in the yard or dock areas. (See 29 CFR 1910.178(k)(3) for additional information.) The following areas need special attention:

- a. Make sure all drivers — Postal Service and contract — comply with posted yard speed limits. This includes drivers of private vehicles and yard hustlers.
- b. Make sure any parked trailer or vehicle has the wheels chocked or that dock locks are in use before any powered industrial truck enters the vehicle or trailer. Electric pallet jacks fall under the definition of powered industrial trucks.
- c. Keep unauthorized personnel out of yard areas. Vehicle traffic and limited visibility around trailers make these areas unsafe for unauthorized personnel.
- d. Determine whether jacks are needed to support a trailer and to prevent upending during loading or unloading when the trailer is not coupled to a tractor.

4-7 Powered Industrial Trucks

4-7.1 General

Make sure that operators are trained and authorized to operate powered industrial trucks (PITs) as described in 29 CFR 1910.178. PITs include tow motors, fork trucks, tractors, platform lift trucks, motorized hand trucks, and other specialized industrial trucks powered by electric motors or internal combustion engines.

Investigate (and report on PS Form 1769) all PIT-related accidents and near misses, including property damage. Fuel-powered industrial trucks are generally prohibited indoors. Consult with your local safety professional before using a fuel-powered PIT.

PIT operators are responsible for ensuring vehicle safety and following all safety requirements. If you have any questions, consult the manufacturer's safe operating manual or your local safety professional.

4-7.2 Operating Powered Industrial Trucks

Never allow reckless operation of PITs. Operators must follow the safety procedures listed in *a* through *m* when using PITs:

- a. Before using a PIT, check the brakes, steering apparatus, horn, and other components; report defects immediately.
- b. Always wear the seat belts provided any time a PIT is in motion.
- c. Do not exceed the maximum speed limit (about the speed of a fast walk). Use only the designated vehicle traffic lanes and keep the PIT to the right whenever possible.
- d. Do not use the reverse control as a brake.
- e. Passengers may ride on a PIT only if: (1) transporting passengers has been approved; (2) securely attached seating is provided; and (3) the seating capacity of the unit is not exceeded.
- f. Never disengage, cover up, or bypass any audible or visual warning device.
- g. Never ride with any part of your body protruding from the truck.
- h. Always determine that there is adequate clearance before driving under any overhead obstruction.
- i. Always check for a clear path to the rear before backing a truck.
- j. Stay at least three vehicle lengths behind other trucks when traveling.
- k. Check bridge or dock plates for proper stability before driving across them.
- l. Always approach tow conveyor crossings and all intersecting aisles slowly and cautiously; sound a horn to warn pedestrians of your approach.
- m. Before dismounting, stop the truck, place the truck in neutral gear, set the brake, turn off the engine, and remove the key.

4-7.3 **Lift Trucks**

Make sure that lift truck operators follow the safe procedures listed in a through g:

- a. Lift, lower, and carry loads on a lift truck with the lifting mechanism in a vertical position or tilted back — never forward.
- b. Face in the direction the truck is moving and be careful of rear-end swing when turning corners.
- c. When approaching or leaving a building where the ramp incline is greater than 10 degrees, turn the lift truck so the load is on the upgrade side and cannot slip off the forks.
- d. Keep forks on a moving lift truck low (just high enough to clear any floor obstructions and low enough to clear overhead obstructions). Under normal conditions, 3 to 6 inches above floor level is sufficient.
- e. Do not raise or lower forks while the forklift is in motion. When a lift truck is parked, fully lower the forks, place controls in neutral, shut off power, set the brake, and remove the key.
- f. Before entering a truck or trailer with a forklift, inspect the floor for damage or decay that might cause the lift to break through the floor.
- g. Make sure the truck or trailer is properly chocked or that the dock locks are engaged.

See [4-6](#) for additional information about yard and dock operations.

4-7.4 **Warning Devices and Personal Protective Equipment for Powered Industrial Trucks**

Equip all PITs with a horn and a flashing warning beacon that is in working order. Do not allow industrial lift trucks to be operated with the overhead guard or load backrest removed. PIT drivers must wear personal protective equipment (PPE) as specified by the local PPE assessment. PIT drivers must wear hard hats when working in designated hard hat areas.

4-7.5 **Towing Wheeled Equipment**

Make sure that operators towing wheeled equipment follow the safe procedures listed in a through c.

- a. Use only approved tow bars or coupling devices while towing wheeled equipment. Operators are prohibited from using their hands to hold equipment while it is being towed.
- b. Tow no more than three platform trucks, hampers, or containers (whether loaded or empty) at one time. Container types include the general purpose mail container (GPMC), the Eastern Region mail container (ERMC), and the bulk mail center over-the-road container (BMC-OTR).
- c. Attach no more than five containers to a driverless tractor unit.

4-7.6 Towing Wheeled Equipment in 12-Foot Aisle Facilities

This section applies only to the Logistics and Distribution Centers (L&DCs) and Priority Mail Processing Centers (PMPCs) at the following locations:

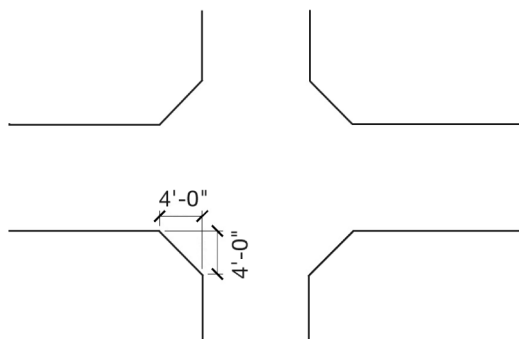
Jacksonville, Florida	Northern New Jersey
Miami, Florida	Bethpage, New York
Orlando, Florida	Rochester, New York
Springfield, Massachusetts	Philadelphia, Pennsylvania
Nashua, New Hampshire	Pittsburgh, Pennsylvania

A maximum of seven GPMCs and/or ERMCS may be towed at any given time, provided that the criteria in *a* through *h* are met:

- All aisles are clearly marked.
- The aisle width is a minimum of 12 feet to allow two-way traffic to pass; any aisle less than 12 feet wide requires one-way traffic or no passing of container trains.
- All 90-degree intersections are chamfered by 4 feet at a minimum (see [Exhibit 4-7.6a](#).)

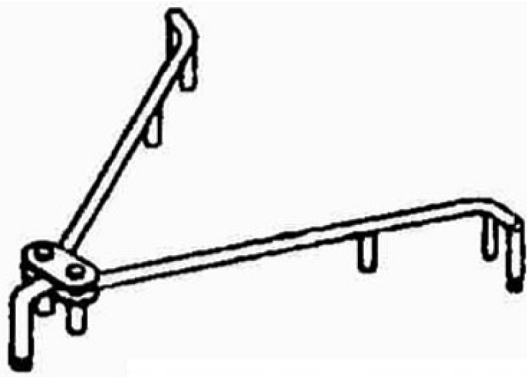
Exhibit 4-7.6a

Chamfered Intersection



- All L&DC and PMPC sites are required to purchase and install electronic speed control (ESC) programmers on all existing PIT vehicles before they allow towing of more than three mail containers at a time within the facility. Adjust the ESC setting to approximately 80 percent, not to exceed 5 mph with the Powered Industrial Vehicle (PIV).
- All newly purchased PIVs must have the ESC devices installed by the manufacturer according to the specifications mentioned in *d* above.
- When towing more than three GPMC and/or ERMCS containers at one time, the PIT operator must place a folding tow bar (shown in [Exhibit 4-7.6b](#)) between the third and fourth container.

Exhibit 4-7.6b
Folding Tow Bar



- g. When towing a train of seven containers at one time, the PIT operator must use two folding tow bars. One is placed between the third and fourth container and the other is placed between the fifth and sixth container (in a 3-2-2 pattern).
- h. When towing containers, the PIT operator must use the brake levers to prevent jackknifing or loss of containers in the train.

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5 Facility Maintenance Operations

5-1 Compressed Air

Using compressed air to clean debris or clothes can be hazardous. Compressed air is extremely forceful. The sound and pressure can:

- a. Dislodge particles that may enter eyes or abrade skin.
- b. Damage hearing
- c. On rare occasions, enter the blood stream through a break in the skin or through a body opening and cause an embolism.

Make sure that your employees use a vacuum cleaner instead of compressed air. If using a vacuum cleaner is not feasible, instruct your employees to:

- a. Wear eye protection that meets American National Standards Institute (ANSI) standards.
- b. Take precautions to ensure the safety of employees working nearby.
- c. Use air compressed at less than 30 pounds per square inch (psi) for cleaning machinery or parts.
- d. Use a hose equipped with a nozzle that deadheads at less than 30 psi (in case the outlet is obstructed).

5-2 Electrical Equipment

5-2.1 General

All electrical installations, modifications, and the like must comply with local codes, the National Electric Code, and general industry standard in 29 CFR 1910, subpart S, Electrical.

Allow only authorized, qualified employees to work on electrical circuits or electrical devices. Make sure that your employees observe the safety guidelines for working with electricity listed in a through e:

- a. Never stand on a wet surface.
- b. Never use a metal ladder on a wet or damp surface.
- c. Turn off electrical equipment that is not in use.
- d. Turn switches to the “off” position before plugging any machine into an electrical outlet.

- e. When unplugging machines, remove the plug at the receptacle face. Never pull on the cord.

5-2.2 **Circuit Breakers and Fuse Boxes**

Instruct your employees to make sure a circuit has the proper voltage before they plug any machine into that circuit. Also be sure they know that they must not block access to panel boxes. Make sure that the entrances to all buildings, rooms, or enclosures containing exposed live parts or exposed conductors operating at over 600 volts, nominal, are kept locked or under the observation of a qualified person at all times.

Allow only authorized, qualified employees to have access to current-carrying fuse or circuit boxes. Make sure that your employees observe the safety guidelines for working with circuit breakers and fuse boxes listed in a through e:

- a. Mark each circuit breaker legibly to indicate its purpose.
- b. Keep fuse and breaker box doors closed, but not locked.
- c. Never tape or wire circuit breakers in the "on" position.
- d. Never use makeshift replacements for a blown fuse.
- e. Never use a fuse heavier than the capacity of the circuit.

5-2.3 **Wiring**

Electrical wiring must be installed and maintained according to applicable local codes and, at a minimum, the National Electric Code, and the general industry standard in 29 CFR 1910, subpart S, Electrical. Make sure that your employees observe the safety guidelines for working with electrical wiring listed in a through b:

- a. Use temporary wiring only if absolutely necessary, disconnect it when it is not in use, and remove it as soon as possible.
- b. Do not use flexible cords and cables as substitutes for the fixed wiring of a building or other structure.
- c. Make sure flexible cords and cables are not run through holes in walls, ceilings, floors, doorways, windows, or similar openings.
- d. Do not attach flexible cords and cables to building surfaces or conceal them behind building walls, ceilings, or floors.

5-2.4 **Cords and Extension Cords**

Make sure that your employees observe the safety guidelines for working with electrical cords and extension cords listed in a through d:

- a. Never patch electrical cords; shorten or replace them.
- b. Never (1) use extension cords in place of fixed wiring; (2) run extension cords through doorways or walls; or (3) attach extension cords to walls or ceilings.
- c. Always keep extension cords off the floor. If it is absolutely necessary to put an extension cord on the floor, use temporary floor covers to prevent tripping hazards or damage to the cords. The floor covers must

be listed, labeled, or certified by Underwriters Laboratories (UL) or approved by a nationally recognized testing institution.

- d. Always remove frayed or loose extension cords from service and replace them.

5-2.5 **Grounding**

Electrical machinery must be properly grounded as follows:

- a. As a general rule, portable electrical office appliances and business equipment (such as typewriters and adding machines operating at less than 150-volt potential) do not have to be grounded.
- b. Portable electric tools must be grounded by a three-wire conductor unless they are double insulated and approved by a nationally recognized testing institution or listed, labeled, or certified by UL.
- c. Do not substitute pigtail grounding connections (whether on cords or adapters) for a three-pole attachment plug; pigtail grounding connections are inadequate for proper grounding.

5-2.6 **Lockout**

Instruct authorized and affected employees on the safety significance and procedures of the lockout program. Effective hazardous energy control procedures protect employees from unexpected energization, start-up, or release of stored energy by equipment they are servicing, such as electric, steam, air pneumatic, hydraulic, or gas-powered equipment or electrical circuits.

The senior maintenance official (SMO) at each facility must ensure compliance with the current Maintenance Management Order (MMO) on equipment lockout procedures. See also:

- a. 29 CFR 1910.147, The control of hazardous energy (lockout/tagout);
- b. MMO 027-95, *Automation, Mechanization, and Building Machinery and Equipment Lockout Procedures*; and
- c. Handbook EL-803, *Maintenance Employee's Guide to Safety*.

5-3 Machine Guards

5-3.1 **General**

You must ensure that guards are in place on all machines to protect the operator and other employees in the machine area from hazards. Hazards may include exposures created by the point of operation (the point on the machine where work is actually being performed), in-going nip points, flying chips, sparks, and rotating parts. After making repairs to machines, employees must replace all guards that have been removed or are missing before the machine is returned to operation. Whenever possible, they must securely anchor or fasten machines to prevent walking, moving, or falling.

5-3.2 **Abrasive Wheel Machinery**

Grinders and other abrasive wheel machinery must have a guard that covers the sides, spindle end, nut, and flange projections. Where the operator stands in front of the abrasive wheel opening, provide tongue guards and adjust them to be no more than 1/4 inch from the wheel.

Work rests must be used to support the work. Adjust work rests so they are no more than 1/8 inch away from the wheel to prevent the work from being jammed between the wheel and the rest. Do not make adjustments while the wheel is in motion.

5-4 Welding Operations

5-4.1 **General**

Make sure that cutting and welding equipment is handled and used safely in your facility. You must also determine the combustible materials and hazardous areas present or likely to be present in the work location.

Make sure that the cutters or welders are suitably trained in the safe operation of their equipment. Have your employees get authorization from a designated management representative for a cutting or welding operation. Make sure that the cutter or welder has your assurance that conditions are safe before proceeding. Also make sure that fire protection and fire extinguishing equipment are properly located at the site.

See that only approved apparatus (such as torches, regulators, or pressure-reducing valves, acetylene generators, and manifolds) are used. Make sure that each regulator is equipped with a flashback arrestor before it is used.

See 29 CFR 1910.252 for additional information.

5-4.2 **Approval and Marking of Cylinders**

Make sure that all cylinders with a water weight capacity exceeding 30 pounds are equipped with a means of connecting a valve-protection cap or with a collar or recess to protect the valve. Make sure that compressed-gas cylinders are legibly marked with either the chemical name or the trade name of the gas.

5-4.3 **Maximum Pressure of Cylinders**

Make sure that employees do not generate, pipe (except in approved cylinder manifolds), or use acetylene at a pressure in excess of 15 psi gage pressure or 30 psi absolute pressure.

5-4.4 **Operating Procedures**

When welding, cutting, or brazing, make sure that your employees maintain a fire watch with adequate fire-extinguishing equipment during the operation and for 30 minutes thereafter. Do not allow Postal Service employees to weld vehicle gas tanks, oil drums, or other containers that have held flammable liquids. Furthermore, do not allow a contractor on Postal Service property to

weld these items. Make sure that cylinders are kept far enough away from actual welding or cutting operations so that sparks, hot slag, and flames do not reach them.

5-4.5 **Personal Protective Equipment for Welding Operations**

Make sure that employees exposed to the hazards created by welding, cutting, or brazing operations are protected by personal protective equipment in accordance with the requirements listed in 29 CFR 1910.132 and 1910.252.

Appropriate protective equipment varies with the size, nature, and location of the work performed. The safety professional can assist you in determining the required protective equipment requirements for these operations.

See [5-5](#), Personal Protective Equipment, for further information.

5-4.6 **Welding Screens**

Mixtures of fuel gases and air or oxygen may be explosive; make sure that employees use these with extreme caution. Make sure that employees use metal or flame-resistant screens to shield operations that may involve flying sparks or molten metals passing through broken or open windows, cracks, or holes in walls or floors.

When welding is performed in a space entirely screened on all sides, ensure that your employees observe the following guidelines:

- a. Arrange screens so that ventilation exits are not severely restricted.
- b. Mount screens about 2 feet above the floor.
- c. If work is performed at a level lower than 2 feet, extend screens to the floor to protect nearby workers from the glare of welding.

5-4.7 **Ventilation Requirements**

Various factors affect ventilation and the need for respiratory protective devices. These factors include the:

- a. Type of welding process and material being used on the job.
- b. Size of the work area and the types of operations being performed in adjacent locations.
- c. Presence of volatile solvents, lead-based paint, and other factors that may create an unsafe work place.

If you need assistance in determining ventilation requirements, contact a maintenance or safety professional. (Also see 29 CFR 1910.252(c)(1)-(2).)

5-4.8 **Storing Cylinders**

Instruct employees in safe practices for storing cylinders, as follows:

- a. Close cylinder valves when work is finished or the cylinders are empty.
- b. Store cylinders in accordance with 29 CFR 1910.253 (b)(2-4).
- c. Store full oxygen cylinders separately from full fuel, gas, or acetylene cylinders.

- d. Limit cylinders (other than those in actual use or attached ready for use) to a total gas capacity of 2,000 cubic feet (56 m³) or 300 pounds when storing inside a building.
- e. Store cylinders in specifically assigned and clearly identified places away from elevators, stairs, or gangways.
- f. Carefully protect storage areas: keep them well ventilated, dry, and at least 20 feet from highly combustible materials.
- g. Keep cylinders away from sources of heat such as steam pipes and radiators.
- h. Store all cylinders in an upright position, capped, and secured to walls by chains or other sturdy nonflammable material.
- i. Transport cylinders in an upright position.
- j. Do not use the valve-protection caps on compressed cylinders for lifting cylinders from one vertical position to another.

5-5 Personal Protective Equipment

This section presents an overview of assessment, selection, and use of Personal Protective Equipment (PPE). See MI EL-810-2001-1, *Personal Protective Equipment and Respiratory Protection Programs*, for more detailed information.

5-5.1 **Assessment and Selection**

Hazards that require PPE may be present in the workplace. Certification is required for assessment of hazards, selection of PPE, and training of employees. Employees must not rely on PPE devices alone to provide protection against hazards, but use them in conjunction with guards, engineering controls, and dependable processing, distribution, and maintenance practices.

Contact the local safety professional for advice and assistance in assessing your workplace to determine if hazards that require the use of PPE are present (or likely to be present). When potential hazards exist, you and the safety professional must use the following steps to determine the appropriate level of protection:

- a. Determine operations that require PPE usage.
- b. Determine what PPE is needed and communicate the selection decisions to each affected employee.
- c. Select PPE that properly fits each affected employee.
- d. Train each affected employee on the proper wearing, care, and limitations of the selected PPE.
- e. For affected employees, select the PPE that will protect them from the hazards identified in the hazard assessment. Make sure each affected employee uses the recommended PPE.

5-5.2 **Assessment Guidelines**

To assess the need for PPE and find additional guidance on conducting assessments, see 29 CFR 1910.132(d)(1) and appendix B to subpart I, Nonmandatory Compliance Guidelines for Hazard Assessment and Personal Protective Equipment Selection.

You and the safety professional must conduct a walk-through survey of the areas in question and identify sources of hazards to workers and coworkers. Give consideration to the following basic hazards:

- a. Impact.
- b. Penetration.
- c. Compression (rollover).
- d. Chemicals.
- e. Heat.
- f. Harmful dust.
- g. Light (optical) radiation.

5-5.3 **Eye and Face Protection**

As a safety supervisor, you must ensure that each affected employee uses:

- a. Appropriate eye or face protection when exposed to hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.
- b. Eye protection devices that protect the sides when there is a hazard from flying objects; detachable side protectors such as clip-on or slide-on side shields are acceptable.

Make sure that each affected employee who wears prescription lenses while engaged in operations that involve eye hazards wears eye protection that:

- a. Incorporates the prescription in its design, or
- b. Can be worn over prescription lenses without compromising the proper position of the prescription lenses or the protective lenses.

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6 Vehicle Maintenance Facility Operations

6-1 Vehicle Repairs

6-1.1 Brake Repairs

Asbestos is a proven health hazard, and brake linings may contain asbestos dust. As appropriate, train vehicle maintenance facility (VMF) employees about the hazards of handling asbestos when replacing or removing brake drums.

See MI EL-830-1999-5, *Control of Asbestos Exposure From Brake and Clutch Repair and Service*, for further information.

6-1.2 Engine Exhaust Vapors

Make sure that employees do not allow engines to:

- a. Operate in unattended areas.
- b. Run for prolonged periods in a vehicle repair area without adequate ventilation.

6-1.3 Working Under Vehicles

Make sure that employees working under vehicles observe the following guidelines:

- a. Never work under vehicles that are not completely supported by all wheels, jack stands, lifts with manual safety release, or other approved support.
- b. Never use jacks or chain hoists as the sole means of vehicle support.
- c. Always wear eye protection that meets ANSI standards when performing contact work or replacing parts under vehicles.

Local policy may require additional PPE (see appendix [Appendix B](#)).

6-1.4 Safety Glass Windshields and Doors

Make sure that employees use laminated safety glass for windshield replacement. All replacement glass and window attachments must be from the original equipment manufacturer or the equivalent and must comply with the motor carrier safety requirements of 49 CFR 390–393 and amendments. These regulations specifically preclude the use of any vision-reducing items, such as screens on the windows on each side of the operator.

6-2 Flammable Materials

6-2.1 **Cleaning Parts**

Do not allow the use of Class I flammable liquids (flash point below 100°F) such as benzol and acetone, for cleaning purposes. Refer to the chemical's material safety data sheets (MSDSs) for handling instructions. Consult with your local environmental professional on pollution control issues.

6-2.2 **Dispensing Pumps**

Equip dispensing pumps with automatic shut-off nozzles to prevent splashing and overfilling.

6-2.3 **Disposal of Flammable Liquids**

Do not allow employees to dispose of contaminated gasoline, flammable liquids, acid from unserviceable batteries, or engine oil in any sewer or other public drainage system. Make sure employees use U.S. Environmental Protection Agency, state, and locally approved methods for disposal of these liquids.

6-2.4 **Disposal of Oily Rags and Flammable Waste**

Make sure employees place oily rags and flammable waste in tightly covered metal containers and dispose of them safely on a regular schedule. Consult with your local environmental professional for disposal guidelines

6-2.5 **Safety Containers**

Make sure that you and your employees:

- a. Store flammable liquids in approved safety containers, closed drums, or tanks.
- b. Use tanks that conform to the requirements of UL 58, *Standard for Underground Tanks for Flammable Liquids*, or UL 142, *Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids*, as applicable.
- c. Comply with Interstate Commerce Commission requirements for safety containers.
- d. Mark the drums or containers appropriately and store them in nonsmoking areas.

6-3 Handling Batteries

Make sure that employees who handle lead acid batteries use PPE and follow these safety precautions:

- a. When batteries are removed from vehicles for charging, thoroughly clean the batteries with an acid-neutralizing solution.

- b. Do not change, remove, or manipulate battery terminal connections until the charging device is disconnected.
- c. Use battery terminal carrying straps or battery carriers and battery carts when handling batteries.
- d. Do not smoke or allow any type of open flame in battery-charging areas.
- e. Use proper procedures to jump-start a battery when necessary.

6-4 Portable Electric Hand Tools and Equipment

All portable electric hand tools and equipment must be grounded, unless double insulated and UL-approved with a UL seal affixed. Three-wire conductors must be used for all other types of electrical equipment.

6-5 Slippery Floors

Make sure your employees clean areas made slippery by oil and grease spills immediately. Sawdust is not acceptable as a floor sweep to clean oil or grease spots.

6-6 Stationary Grinders

Equip all bench grinders, emery wheels, and other similar devices with safety glass protection plates. Instruct your employees to operate these devices only when the plates are positioned. Guard abrasive grinders with a standard hood that protects both sides of the periphery. Make sure grinding activities are conducted on the face of the wheel, not on the sides.

Provide a tool rest, making sure that the gap between the abrasive wheel and the tool rest never exceeds 1/8 inch. Replace a wheel or stone that has worn so substantially that the gap cannot be adjusted to this clearance. Make sure employees conduct a ring test before a new wheel is placed on a grinder.

6-7 Tire Safety Cage

Make sure that employees place a tire mounted on split rims in an approved tire safety cage before inflating. Allow only trained personnel to mount and dismount split wheels.

6-8 Personal Protective Equipment for Vehicle Maintenance Facility Employees

See [5-5](#), Personal Protective Equipment.

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7 Air Mail Facility Operations

7-1 Operation of Motor Vehicles on the Airfield

Make sure that drivers who have been specially trained and qualified are the only ones authorized to operate vehicles at airports.

Only Postal Service vehicles that have been modified to meet Federal Aviation Administration and local airport authority regulations can be assigned to airmail runs that require movement on the airfield during plane-side or ramp-side operations.

7-2 General Rules and Regulations

You must keep abreast of the safety rules and regulations governing airport operations and make sure employees are properly trained and refreshed.

- a. Before leaving a Postal Service facility, a driver must check to see that the vehicle contains a fully charged fire extinguisher and all required emergency equipment and that the gas tank is at least half full.
- b. Vehicle headlights, taillights, and running lights (clearance) must be in working condition before any vehicle is operated on airfields at night.
- c. Postal Service vehicle drivers must give way to all emergency equipment responding to an alert, such as crash and rescue vehicles, fire trucks, security or police cars, or any other vehicles with sirens or revolving lights that have been designated as emergency vehicles.
- d. Each motor vehicle must have a suitable fire extinguisher affixed to its interior and a driver who has been instructed in the proper use of this equipment.
- e. You must remind drivers to remain alert while proceeding to aircraft, follow proper painted traffic lanes, and observe posted speed limits.
- f. Motor vehicle operators must never approach an aircraft until all engines and propellers are completely stopped.
- g. Motor vehicle operators must never drive across passenger loading lanes while an aircraft is at a gate.
- h. When near jet aircraft in operation, drivers must wear hearing protection. When the presence of such aircraft is unexpected, drivers must avoid exposure, to the extent possible. Employees exposed to jet engine noise that exceeds OSHA standards must participate in a hearing conservation program.

- i. The tail end of an aircraft can be as hazardous as the front. Running engines blast dirt, debris, and other solid objects with a force strong enough to break windshields and cause eye injury or bone fracture. Instruct Postal Service personnel to take immediate shelter if they are about to be caught by a blast from the engines of an arriving or departing aircraft.
- j. Smoking is prohibited on airport service ramps. At airport mail facilities, smoking is strictly prohibited in all buildings or office space, including service lobbies owned or leased by the Postal Service.

7-3 Use of Motorized Transport Equipment in Aircraft Operation Areas at Airports

Postal Service motorized transport equipment (MTE) must be in serviceable condition when used to transport mail to airline operations.

Instruct your employees to follow these guidelines when using MTE:

- a. Do not leave MTE unattended on the aircraft or in operation areas.
- b. Do not leave baggage and mail carts unattended on the tarmac.
- c. Set brakes during loading and unloading.
- d. Load and unload Postal Service equipment immediately.

8 General Safety Rules and Regulations

8-1 Leaking Packages

Make sure that all employees are familiar with hazardous materials (HAZMAT) procedures for handling leaking packages. Provide training for employees who handle HAZMAT spills or leaks and document when training occurred. Make a list of available trained employees and post it on appropriate bulletin boards.

Each facility must have written standard operating procedures (SOPs) to handle a HAZMAT spill or leak and a specifically designated area for holding or rewrapping leaking packages.

The Chemical Transportation Emergency Center (CHEMTREC) is dedicated to helping emergency responders deal with incidents involving hazardous materials. Instruct your employees to call CHEMTREC'S hotline, 800-424-9300, for expert assistance in dealing with spilled or leaking materials.

See MI EL-810-2006-3, *Response to Hazardous Materials Releases*, for further information.

8-2 Caution and Warning Signs

In Postal Service warning signs, each color conveys a specific meaning, as follows:

- a. **Red = Danger.** Red signs indicate immediate danger; special precautions are required.
- b. **Yellow = Caution.** Yellow signs indicate possible hazard; proper precautions are required.
- c. **Black and White = Directions.** Black and white signs show the way to locations such as stairways and first aid rooms.
- d. **Blue = Information.** Blue signs provide general information (not necessarily related to safety). Blue signs are also used to identify parking spaces and access to facilities for people with disabilities.
- e. **Green = Safety.** Green signs indicate safety and the location of first aid and other safety-related equipment.

8-3 Defective Equipment

Make sure that you or your employees remove defective equipment from service immediately. Use PS Form 4707, *Out of Order*, to report a defective piece of equipment. Tag the equipment with PS Form 4707, take it to be repaired, or warehouse it in an area designated for defective equipment. Do not remove tags until repairs are completed. Do not allow anyone to place a defective piece of equipment back into service until appropriate repairs are completed.

Regularly instruct your employees to be aware of common defects in MTEs, including:

- a. Cracked plastic letter trays.
- b. Broken frame wires on hampers.
- c. Missing or broken wheels on hampers, GPMCs, and OTRs.
- d. Missing safety latch or "S" hook (where installed) on a door-latch chain.
- e. Defective brakes or trailer pins on OTRs.

As defects are found in new equipment designs, make sure you notify employees and the local safety professional.

8-4 Electrical Cords and Receptacles

All electrical receptacles must have an approved cover and correct polarity. All equipment and furniture that is connected to any electric source by cord must be grounded unless it is double insulated and poses no potential shock hazard. For assistance with determining correct grounding, contact your local safety professional.

8-5 Fire Prevention and Emergency Action

8-5.1 **General**

Fire prevention can be defined as the correction of unsafe practices (employee performance errors) and unsafe conditions (management system failures) that could result in a fire. (See Handbook MS-56, *Fire Prevention and Control*; Handbook EL-814, *Postal Employee's Guide to Safety*; and the National Fire Protection Association's *Life Safety Code*, NFPA 101, for additional information.)

Become familiar with unsafe practices and unsafe conditions and be constantly alert for fire hazards. Whenever you observe an unsafe practice or condition, take immediate corrective action.

8-5.2 **Emergency Action Plan**

A Postal Service facility with more than 10 employees must maintain a written Emergency Action Plan (EAP). If there are 10 or fewer employees, a

written plan is not required, and the plan may be communicated verbally to employees.

The EAP must clearly identify actions that management and other employees must take to ensure safety of employees and protection of property from fire and other emergencies, such as tornadoes, earthquakes, floods, and HAZMAT spills. (See MI EL-810-2006-3, *Response to Hazardous Materials Releases*, about establishing SOPs for spills and leaks and the relationship of these procedures to EAPs. See ELM 850 for the contents of an EAP.)

Before an EAP is implemented, train designated employees to assist in the safe and orderly emergency evacuation of all employees.

Review the EAP with each employee:

- a. Initially, when the plan is developed.
- b. When the requirements or responsibilities of specific employees change.
- c. When the plan is changed.
- d. Annually.

In addition, you must review relevant parts of the EAP with all newly assigned employees to ensure that they know what actions to take in case of an emergency. Make sure the plan is available at the workplace for employees to review.

8-5.3 **Fire Prevention Plan**

According to 29 CFR 1910.38 and ELM 850, each Postal Service facility with more than 10,000 square feet must have a written Fire Prevention Plan (FPP). Before implementing the plan, inform all employees about potential fire hazards in their work areas.

Review the FPP with each employee:

- a. Initially, when the plan is developed.
- b. When the requirements or responsibilities of specific employees change.
- c. When the plan is changed.
- d. Annually.

In addition, you must review relevant parts of the FPP with all newly assigned employees to ensure that they know what actions to take in case of fire. Make sure the plan is available at the workplace for employees to review.

8-5.4 **Fire Equipment Color Coding**

Use red to identify fire protection equipment and apparatus.

8-5.5 **Fire Drills**

Make sure that at least one fire drill is conducted annually on each work tour in each facility and ensure that all employees in your work area participate. Impress upon all employees the importance of a fire drill.

When conducting a fire drill or dealing with an actual fire or other emergency, make sure the following objectives are met:

- a. Sound the alarm and promptly notify the fire department.
- b. Conduct an orderly evacuation in minimum time.
- c. Ensure security of mail, money, receipts, and valuable papers.
- d. Oversee emergency plan assignments by designated fire emergency response members.
- e. Take a head count after the building evacuation and report the count to the manager in charge.
- f. Invite the local fire department to participate in your fire drills.

8-5.6 **Electrical Appliances**

Use of portable hot plates, coffee pots, or other electrical appliances with heating elements is acceptable when authorized by the installation head or designee. After authorization, you must ensure that these procedures are followed:

- a. Make sure that you or a designated employee unplugs the unit when it is not in use.
- b. Ensure that the appliance is placed in a safe location, away from combustible materials.
- c. Make certain that the appliance is UL-listed, -labeled, or -certified, or Factory Mutual-Approved.
- d. Make sure that each appliance is equipped with a pilot or warning light on the unit, or that the wall outlet has a readily visible pilot or warning light.
- e. Make certain that the appliance is in proper working order with electrical cords and plugs in good condition. Conduct periodic inspections to ensure that the appliance is safe and serviceable.
- f. Immediately take out of service any unit that develops cords with frayed wiring, defective plugs, or other flaws. Before a unit is returned to service, repair must be approved by safety, maintenance, or other designated personnel with authority to grant return-to-service approval.

8-5.7 **Emergency Lighting**

Where appropriate, ensure that your facility is equipped with properly located and operable emergency lights so that employees have adequate illumination to safely exit the building. For additional information, contact local safety, maintenance, or other designated personnel.

8-5.8 **Emergency Telephone Numbers**

All facilities must have a means for employees to call local emergency services from within the building. If Postal Service telephones have calling area restrictions, make sure procedures are in place to allow a call to the local 911 dispatcher. You can do this with a speed-dial system programmed to call 911.

If there is no 911 service, make sure that the telephone numbers of the local police department, fire department, hospital, and ambulance or first aid service are provided and visible for all employees.

Post your list of emergency telephone numbers in appendix [Appendix C](#) of this handbook.

8-5.9 Exits and Signs

You need to provide a sufficient number of exits to allow prompt escape as required by 29 CFR 1910.37 and NFPA 101, Life Safety Code. Make sure a door from a room to an exit or to an area that gives access to an exit is of the side-hinged, swinging type. If the room can be occupied by 50 or more people, the door must swing out for travel to the exit.

You must ensure that access to exits and doors leading to exits are designated and arranged so that they are clearly recognizable. Make certain that exit access is arranged so it is not necessary to travel toward any area of high hazard. All exits must discharge directly to the street or to a yard, court, or other open space that gives safe access to a public way.

Means of egress must be designed and maintained to provide adequate headroom with a ceiling height no less than 7 feet 6 inches and no projection from the ceiling less than 6 feet 8 inches from the floor.

In no case is access to an exit to be made through a restroom or other room subject to locking, unless the exit serves only the room subject to locking. Locks, latches, and other devices must not impede free and unobstructed egress. Make sure all exit doors can be opened by performing only one function and that special knowledge of keys or lock combinations is not required.

Provide readily visible exit signs for each exit. Directional arrows are required if the direction of travel to reach the nearest exit is not immediately apparent. All doors that do not have identification signs (such as the boiler room, restroom, custodial closet, or other room that may be confused with an exit) must be marked with a sign stating: "Not an exit."

On the exit side of all exterior doors in the exit route that are subject to locking, place a sign stating: "This door is to remain unlocked when the building is occupied."

See NFPA 101 for sign requirements.

8-5.10 Emergency Evacuation Teams

Emergency evacuation teams, with a trained team on each work tour, are required in installations with 10,000 square feet or more. These teams are not "emergency responder teams" as defined by 29 CFR 1910.120.

Pursuant to 29 CFR 1910.156 as it applies to incipient-stage fires, at no time is any team or member of a team to stand and fight any fire that is beyond the incipient stage (beyond control) by using portable fire extinguishers.

Details on the duties of the fire emergency response team are found in ELM 850.

8-5.11 Fire Extinguishers

Fire extinguishers are designed in a variety of types to combat the components of different classes of fires. (See Handbook MS-56, *Fire Prevention and Control*, and 29 CFR 1910.157 for detailed descriptions of these extinguishers, their maintenance, inspection, and uses.)

Fires found in Postal Service equipment, buildings, and vehicles are classified according to the substances that are burning, as follows:

- a. *Class A Fire* — ordinary, combustible solid materials, including paper, wood, and cloth.
- b. *Class B Fire* — flammable or combustible liquids or gases, including gasoline, fuel oil, and cleaning solvents.
- c. *Class C Fire* — energized, electrical, and electronic equipment. (Normally, once the electrical current in a Class C fire is turned off, the fire is no longer considered Class C.)
- d. *Class D Fire* — combustible metals, including magnesium, sodium, and potassium.

The versatile, multipurpose, dry chemical extinguisher, more commonly known as a Tri-Class or A-B-C extinguisher, is very effective in fighting Class A, B, and C fires and is the only extinguisher to be used for those fires.

Putting out a Class D fire requires a special extinguishing agent that must be obtained and stored for use in maintenance and VMF operations. In certain locations where electrical or electronic equipment is used and where it is desirable to minimize the cost of cleaning up dry chemicals, use a carbon dioxide (CO₂) extinguisher.

Mount fire extinguishers in an easily accessible place at a maximum distance no greater than 50 feet from any employee. Mark the extinguisher's background in red, and, when necessary, place a red ring or sign above it to ensure visibility. Permit no fire extinguisher smaller than a 10-pound size for use in a Postal Service facility. Access to fire extinguishers must never be blocked.

8-5.12 Fire Inspections

Fire inspections, which must be documented, must be conducted in all Postal Service-owned and -leased installations. Inspections are required twice a year in all installations with less than 100 work years of employment in the regular workforce. Quarterly fire inspections are required in VMFs and in all installations with more than 100 work years of employment in the regular workforce.

You may schedule fire inspections to coincide with semiannual or annual safety inspections. Make sure qualified supervisors who have been trained by safety or fire protection professionals conduct these inspections. You are encouraged to invite local fire officials to assist with fire inspections.

A Hazard Abatement Committee must review deficiencies identified in fire inspection reports and correct them pursuant to ELM 820.

ELM 820 and 850 provide further information about fire inspections.

8-6 First Aid

8-6.1 General

In the absence of an infirmary, clinic, or hospital near the workplace, you must make sure that one or more persons is adequately trained to render first aid to all injured employees. Make sure that adequate first aid supplies are readily available.

8-6.2 First Aid Kits

Where first aid kits are required, make sure that the kits are available to all tours of duty and that their contents are checked regularly. First aid kits must include items necessary for an emergency situation and must not serve as the source of nonemergency supplies such as aspirin and antacid. Due to liability issues, Postal Service employees are prohibited from dispensing medication without the supervision of a medical professional such as a doctor or nurse. Authorized first aid kit supplies must include:

- a. Band Aids®.
- b. Disposable gloves.
- c. Gauze pads of various sizes, sterile and nonsterile.
- d. Adhesive tape, 1 inch and 2 inches wide.
- e. Ammonia inhalants.
- f. CPR mask (microshield).
- g. Antiseptic ointment.
- h. Eye pads.
- i. Arm sling.
- j. Nonadherent dressing (adaptic).
- k. Eye irrigation solution.
- l. Individually wrapped alcohol wipes.
- m. Individually wrapped Betadine® wipes.
- n. Logbook.

See 29 CFR 1910.151, Medical services and first aid, for additional requirements.

8-7 Floors

8-7.1 General

You must ensure that your employees follow these general procedures to prevent potential slip, trip, or fall accidents.

- a. Keep all floors clean, with no protruding nails or sharp edges on doorsills.
- b. Do not use aisles, corridors, stairways, stairwells, exits, docks, platforms, and emergency exits for any type of storage. Keep them free

of obstructions at all times. Never block electric panels, switches, fire protection devices, fire alarm stations, or postal inspector breakout doors.

- c. Keep floor surfaces uncluttered. Paper, pencils, paper clips, rubber bands, and similar objects on walking surfaces present serious slipping hazards.
- d. Repair loose or missing tiles or blocks.
- e. Keep stairs, sidewalks, docks, ramps, and handrails in good repair and readily accessible.
- f. Report defective walks, steps, and parking surfaces so that repairs to eliminate tripping hazards can be made promptly.
- g. Do not block fire doors or otherwise make them inoperative. Never paint the fusible-link fire protection devices that are installed on some fire doors.
- h. Mark aisles clearly to designate proper traffic movement and storage space limits.
- i. Secure carpets, rugs, and mats. Arrange them to prevent slipping. Repair or replace those with wrinkles, turned-up edges, or tears.
- j. Keep floors in good shape to avoid tripping hazards and to facilitate truck and container operations.
- k. Give customer areas special consideration. The improper placement of mats or rugs (or lack of them) can cause customer injuries and result in significant liability to the Postal Service.

8-7.2 **Cleaning Floors**

Instruct your employees to keep floors clean and observe the following safety guidelines for cleaning floors:

- a. Remove spilled oil, grease, and other liquids immediately.
- b. Use noncombustible materials for absorbing oil, grease, and other liquids.
- c. Do not use sweeping compounds or so-called "floor oils" on floors.
- d. Consult the MSDS before using any chemical for cleaning.

8-7.3 **Wet Floors**

Instruct your employees to observe the following safety guidelines for wet floors:

- a. Keep wet floor areas roped off with "Wet Floor" signs or high-visibility safety barricades until the floors are dry.
- b. Always maintain a dry area for pedestrian traffic.
- c. Place rubber mats or all-weather mats at entrances, including lobby areas, when inclement weather develops.
- d. Damp mop as often as necessary where excessive moisture accumulates on indoor stairs, lobby floors, or high-traffic areas.

8-8 Footwear

8-8.1 General

Wearing good shoes is important to Postal Service personnel, whether they walk many miles on a route or handle mail in the workroom. Since handling materials and walking make up the bulk of their work, Postal Service employees must take special care in selecting shoes.

8-8.2 Body of the Shoe

Shoes worn at work by Postal Service employees must:

- a. Be fully enclosed at the heel, toe, and sides.
- b. Be constructed of leather or a substantial synthetic poromeric material. Canvas and nylon are not acceptable.
- c. Provide adequate protection to the feet.

Local policy may require more restrictive shoe standards (see appendix [Appendix B](#)).

8-8.3 Heels and Soles

The following guidelines apply to the heels and soles of shoes worn at work by Postal Service employees:

- a. Wear heels no higher than 1 1/2 inches (measured from the back) to prevent leg muscle strain. (Special shoes worn for orthopedic reasons may be exempted from this requirement.)
- b. Do not wear shoes with soles that are very thin (either by design or from excessive wear). The thinner the sole is by design, the harder the composition of the sole should be.
- c. Always wear shoes with slip-resistant heels and soles.
- d. Never wear heels with steel taps.

8-8.4 Unacceptable Shoes

The following types of shoes must not be worn by Postal Service employees on the job: sandals, clogs, platforms, sneakers, athletic or jogging shoes without leather or poromeric uppers, mules, house slippers, boots with under-slung heels, or open-toed, high-heeled (more than 1 1/2 inches), or spike-heeled shoes.

The supervisor with jurisdiction over a work location is responsible for determining whether a particular style of shoe is acceptable on the workroom floor. The supervisor must inform employees wearing unacceptable footwear about Postal Service policy on shoes and prohibit employees from wearing such footwear in work areas.

8-9 Anchoring Furniture and Equipment

8-9.1 **General**

All lobby customer directional-queuing equipment must be placed so it is not top-heavy. Position equipment so it does not fall and strike a child who may be hanging from or pulling on the chain or rope on the equipment. Lightweight plastic is better than metal for queuing equipment.

Display racks, stands, and other lobby furnishings must be suitably anchored or designed to prevent them from turning over and injuring someone or causing property damage. Use safety glass in display racks, stands, and cases. Do not use plate glass in lobby displays.

Encourage window personnel to warn customers of the hazards of allowing children to sit on counters.

8-9.2 **File Cabinets and Distribution Cases**

You and your employees must make sure weight is distributed evenly and furniture is anchored or secured in some manner to prevent tipping. Keep tops of lockers, file cabinets, and distribution cases free of objects or materials that could fall.

8-9.3 **Anchoring Wall Lockers, Storage Shelves, and Storage Cabinets**

To prevent tipping or falling, you must anchor lockers to the floor or wall. Where this is impractical, connect them together in a manner that prevents accidental tipping or falling. Anchor storage shelves and storage cabinets to prevent accidental movement and the spilling of contents. Where possible, anchor the top portion of the storage shelves or cabinets to a wall.

8-9.4 **Lobby Furniture**

You must secure all lobby furniture to the floor or wall to prevent tipping. Where anchoring the furniture to the floor is not practical, ensure that the anchoring device placed in the wall is secure enough to prevent such movement or tipping. Placing anchors on radiator covers and into sheet rock, dry wall, or plaster walls is not an adequate method of anchoring. Secure the anchor so that the equipment or furniture alone cannot pull out from the wall.

See the *Postal Operations Manual* for additional information.

8-9.5 **Newspaper Racks, Recruitment Posters, and Bicycle Racks**

You must position all bicycle racks, newspaper racks, and other public service equipment so pedestrian traffic is not impeded or vehicular traffic views obstructed. Arrange for the anchoring of this equipment or provide stability adequate to prevent accidental tipping.

8-10 Housekeeping

8-10.1 **General**

You must ensure that employees follow these general procedures to promote safe housekeeping at all Postal Service operations:

- a. Make sure that mechanics, contractors, and custodial personnel clean up all scraps, dirt, or other refuse at the end of the day or the end of the job, whichever comes first.
- b. Ensure that waste, scrap, string, or other foreign material is not allowed to accumulate on floors, tables, cases, or other surfaces.
- c. Provide waste containers as necessary; empty them before they overflow.
- d. Keep trash receptacles out of traffic lanes. Do not place them at the top of stairs.
- e. Remove objects that may present serious slipping hazards from floors, including paper, pencils, paper clips, rubber bands, and plastic strapping material.
- f. Place rubber bands removed from bundles of mail in a proper container located in the immediate work area. Remove broken rubber bands from the floor and treat them as waste. Keep locks, metal straps, and plastic seals off the floor and provide containers or bins for them.
- g. Do not allow paper, twine, packing material, or other combustibles to accumulate on the work floor, in supply or storage rooms, in or under stairways, under load or dock levelers and scissors lifts, in elevator pits, or against the exterior of the building.
- h. Store supplies of loose packing material (such as excelsior, shredded paper, Styrofoam, or other combustibles) in a fireproof room or vault, in covered metal containers, or in metal-lined boxes with self-closing lids.

8-10.2 **Sharp Objects**

Make sure that you and your employees:

- a. Use proper tools to open boxes fastened with staples, wire, metal, or plastic strapping.
- b. Remove loose staples, wire, nails, and strapping and discard them in waste containers or other suitable receptacles.
- c. Keep hands clear of sharp edges and ends.
- d. Store knives and other cutting materials in a safe manner when not in use.
- e. Remove or bend down protruding nails before handling used lumber or crating materials.
- f. Watch for glass, pins, razor blades, and other sharp objects in wastebaskets.

When handling broken glass, make sure that your employees:

- a. Sweep it up, and do not pick it up.
- b. Wrap it in heavy paper and plainly mark it for cleanup personnel.

8-10.3 **Storage**

Make sure that you and your employees:

- a. Organize work areas so that all pieces of equipment have a designated place
- b. Never use radiators, stairs, tables, and windowsills for storage.

8-10.4 **Inspection of Storage Lockers**

You must inspect wall lockers periodically and remove combustibles. Do not store flammable liquids in wall lockers. Store oil- or grease-soaked clothing in ventilated lockers or storage cabinets.

8-10.5 **Storage on Top of Lockers**

Make sure that you and your employees store nothing on top of wall lockers.

8-11 Knives and Cutting Devices

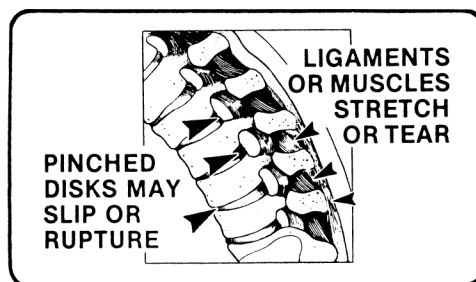
The only knives authorized for use in the work area are those supplied by the Postal Service. Personal knives are not authorized for use in Postal Service operations.

Ring knives must no longer be used because of potential failure and the resulting hazards. Discard immediately any ring knives still in service. Plastic sliding box cutters with guarded blades, side cutters, or scissors with rounded tips are acceptable replacements for ring knives.

8-12 Lifting

8-12.1 **General**

Lifting is so much a part of their everyday jobs that most employees do not think about it. It is often done incorrectly. Strains, pulled muscles, disk lesions, or painful hernias are often caused by unsafe work practices such as improper lifting, carrying loads that are too heavy, gripping incorrectly, and failing to observe proper foot and hand clearances (see [Exhibit 8-12.1](#), Pinched Spine Drawing).

**Exhibit 8-12.1
Pinched Spine Drawing**

Whenever possible, use mechanical aids for material handling. A variety of material-handling equipment, including hand trucks, is available. Make sure that your employees have been trained in proper lifting procedures during orientation. Then make a daily routine out of refresher lifting training. Job safety analyses (JSAs) often focus attention upon lifting tasks.

Employees have different lifting capabilities due to their physical differences. Keep these differences in mind, and prescribe and follow safe lifting procedures to prevent injuries.

8-12.2 Preparation for Lifting

Before employees lift objects, they must assess the weight and inspect the area around the object to make sure that there are no slip, trip, or fall hazards. Make certain that employees always look for hidden hazards in the prospective travel path before lifting objects.

8-12.3 Procedures for Lifting and Carrying Objects Safely

Ensure that employees always size up loads to find out if they need help before lifting objects. Never allow employees to lift very heavy or cumbersome objects without sufficient help.

8-12.4 Procedures for Lifting Parcels

Make sure that your employees follow these procedures when lifting parcels:

- a. First, straddle the load. Make certain that the feet are parted with one foot beside the parcel being lifted and one foot behind. Spread feet comfortably (normally shoulder width) to give greater stability. Position the rear foot for an upward thrust. (See [Exhibit 8-12.4](#), Proper Lifting Technique.)
- b. Keep the back straight, nearly vertical. Use a squatting position. Remember that *straight* does not mean *vertical*. A straight back keeps the spine, back muscles, and organs of the body in correct alignment.
- c. Notice how the spine disks in [Exhibit 8-12.1](#) are pinched when bending. The rectangles illustrate the vertebrae, and the spaces between represent disks in the spine. Disks may slip or rupture, causing severe pain or disability, and the muscles or ligaments may stretch or tear. This problem can be avoided by keeping the back

straight and bending the knees. This procedure also minimizes the compression of the stomach that can cause a hernia.

- d. Keep the load close to the body. Arms and elbows should be tucked into the side of the body. When the arms are held away from the body, they lose much of their strength and power. Keeping the arms tucked in also helps keep body weight centered.
- e. Grasp the parcel near the top of the farthest corner, wrapping the palm around the edge. Hold the opposite bottom corner of the parcel in the palm of your other hand. Use the full palm; fingers alone have very little power.
- f. Keep the head upright and allow the head to move freely when lifting objects. This will help to maintain balance as the center of gravity shifts when picking up a load.
- g. Position the body so its weight is centered over the feet. This provides a more powerful line of thrust and ensures better balance. Start the lift with a thrust of the rear foot. Begin to lift straight up, smoothly, without stopping, by pushing with the legs, keeping the back straight.
- h. Complete the lift to a standing position and be sure the hold is secure before moving. When necessary, use the feet as a pivot point. Do not twist the body trunk.
- i. When raising a parcel above shoulder height, follow the procedures just described to raise it to waist height. Then rest the edge of the parcel on a ledge, stand, or hip. Shift hand position, so the parcel can be boosted after knees are bent. Straighten knees as the parcel is lifted or shifted to the shoulders.

**Exhibit 8-12.4
Proper Lifting Technique**



8-12.5 Procedures for Lifting Sacks

When lifting sacks, employees must use the general procedures outlined in 8-12.4 for lifting parcels. (See the photos in [Exhibit 8-12.5](#), Proper Technique for Lifting Sacks.)

There are a few differences:

- a. Tuck sack cords inside the sack before lifting.
- b. Grasp opposite diagonal corners of the sack.

Exhibit 8-12.5 Proper Technique for Lifting Sacks



If a sack is to be carried a distance, employees must use the following procedures:

- a. Once the sack is waist high, rest it against the hip and stomach.
- b. Shift the hand position so the sack can be boosted after the knees are bent.
- c. Lift the sack to one shoulder and stoop slightly, hand on hip, resting the sack partly on your shoulder, arm, and back.
- d. Hold the sack firmly at the front corner.
- e. When the sack is to be put down, swing it slowly from the shoulder until it rests against the hip and stomach. If it must be placed on the ground, bend the legs and lower the sack, keeping the back straight.

8-13 Observation of Work Practices

Observe employees on a daily basis so that you can identify and correct practices that might cause injuries. Unsafe acts include:

- a. Using equipment without authority.
- b. Removing or not using safety devices such as guards and brakes.
- c. Engaging in horseplay.
- d. Failing to use PPE, such as safety glasses.
- e. Lifting improperly.

Correct unsafe work practices immediately by: (a) demonstrating proper work practices; (b) conducting training and initiating discussions; and (c) taking other corrective actions, when warranted. Even more importantly, when you observe employees carrying out safe work practices, give them positive reinforcement. Do not become complacent. Never assume that safety will take care of itself.

Place special emphasis on observing employees who:

- a. Have repeated accidents.
- b. Were recently involved in an accident.
- c. Are new (to the task, the position, the facility, or the Postal Service).

8-14 On-the-Job Safety Review and Analysis

8-14.1 **General**

Doing a job the safe way is the same as doing a job the right way. Develop and teach safe procedures for each job. A useful way to review job methods and uncover hazards is to perform a job safety analysis (JSA) using PS Form 1783, *On-the-Job Safety Review/Analysis* (see [Exhibit 8-14.1](#)). Keep a complete and updated JSA for each job task in your work area.

Exhibit 8-14.1, front
PS Form 1783, On-the-Job Safety Review/Analysis

U.S. Postal Service On-the-Job Safety Review/Analysis (See Instructions on Reverse)		Date: _____	Specific Task Analyzed
Location (e.g., Station, Branch, BMC)	Unit (Inbound, Outbound, etc.)	Required &/or Recommended Personal Protective Equipment to Perform the Task	
Title of Employee Performing Task	Reviewed By (Title)	<input type="checkbox"/> Concurrence <input type="checkbox"/> Non-Concurrence	No. of Employees Involved
Completed By (Title)	Potential Hazard or Accident	Recommended Action to Prevent Accident or Eliminate Hazard	
Sequence of Basic Task Steps	(Continue on Reverse)		
TransFORM PS Form 1783, January 1989			

Exhibit 8-14.1, back
PS Form 1783, On-the-Job Safety Review/Analysis

Sequence of Basic Task Steps	Potential Hazard or Accident	Recommended Action to Prevent Accident or Eliminate Hazard
<p style="text-align: center;">Instructions</p> <p>A. What is an On-the-Job Safety Review/Analysis? An On-the-Job Safety Review/Analysis is a procedure to analyze a specific task to uncover hazards or accident producing situations.</p> <p>1. That may have been overlooked in the layout of the operation, design of machinery, equipment, and work practices;</p> <p>2. That may have developed after the job or work was started.</p> <p>B. What job tasks should be reviewed? Assigned jobs usually involve a combination of different tasks during an eight hour shift. Select for analysis specific tasks of a job, e.g., stacking pallets, unloading BMC containers from a trailer, culling mail, etc. Consideration should be given to selecting those tasks which involve:</p> <p>1. A high frequency of accidents;</p> <p>2. Disabling injuries;</p> <p>3. The potential for severe injury; exposure to hazardous materials; or physical agents;</p> <p>4. New jobs, changes in equipment or processes.</p> <p>C. How should an On-the-Job Safety Review/Analysis be performed?</p> <p>1. Record The Basic Task Steps</p> <p>Break down the task into successive steps and list them numerically in Column A. To determine the basic steps, ask "What step starts the task?" Then, "What is the next basic step?" and so on. Keep it brief, but specific. Begin each step with an action word such as, "remove," "open," "lift," "position," and then follow it with an item to which the action applies, such as "remove jam," "open trailer door," "lift each to top tier," "position nutting truck," etc.</p> <p>D. Record Hazards or Potential Accidents After listing all the steps begin the search for hazards or potential accidents. Address the accidents that could happen to the employee doing this job step. Closely studying the mechanics involved in each step, discussing it with the employee, and recalling causes of past accidents will aid you in developing answers. Other helpful questions are:</p> <p>1. Is there a potential for lifting injuries due to manual handling procedures?</p> <p>2. Is there a danger that employees could be exposed to potentially hazardous materials, harmful noise levels, or breathing harmful vapors or dust?</p> <p>3. Can the employee slip or fall? Can the employee fall on the same level or to another level?</p> <p>Record any hazards or potential accidents in Column B next to the task step involved. Be brief in identifying each hazard or potential accident. But be specific, e.g., "fall from dock," "hands can get caught between containers and wall," "strain from lifting in awkward position," "defective utility cart guard," etc.</p> <p>E. Recommended Action Record in Column C the action necessary to eliminate the hazard or prevent an accident. Possible actions may include finding a new way to do the job, changing the physical conditions that create the hazard, or changing the job procedure. The action indicated must be specific, i.e., What changes should be made? How should the job be done?</p> <p>F. Disposition After completion route the form through the Safety Office or other designated Department under existing local procedures.</p>		

TRANSFORM PS Form 1783, January 1989 (Reverse)

JSA's can be used in hazard and accident analysis and for safety training. Once the hazards are identified, develop the proper solutions.

If you are a first-line supervisor, you must maintain an active file of job tasks in your work area. These four basic steps are used in preparing a job safety analysis:

- a. Select the job to be analyzed.
- b. Divide the job into successive steps or activities.
- c. Identify potential hazards or accidents. This step is critical: a problem can be eliminated only if it has been identified.
- d. Develop recommended safe job procedures to eliminate each hazard and prevent accidents.

8-14.2 **Selecting Jobs for Analysis**

Don't select a job at random for a JSA. If the JSA is to yield the best possible result, first analyze jobs with the worst accident experience. Consider the following factors when deciding when and in what order to conduct JSAs:

- a. *Frequency of accidents.* Any job that repeatedly results in accidents.
- b. *Disabling injuries.* Any job that has produced disabling injuries.
- c. *Severity potential.* Any job that could cause severe injuries, even if it does not have a history of accidents.
- d. *New jobs.* Any new job as soon as it is created.

8-14.3 **Preparing a Job Safety Analysis**

Check the Safety Toolkit resource page to see if a national JSA is available for the job you intend to analyze. Follow the instructions in [Exhibit 8-14.3](#), Guide to Preparing a Job Safety Analysis, to complete PS Form 1783 for your JSA.

Exhibit 8-14.3

Guide to Preparing a Job Safety Analysis (Sequence of Basic Task Steps)

Sequence of Basic Task Steps (Column 1)	<p>Divide the job into a sequence of steps, each describing what is being done.</p> <p>To avoid two common errors when dividing the job into sequenced steps:</p> <ul style="list-style-type: none"> ■ Do not make the division so detailed that an excessively large number of steps result. ■ Do not make the division so general that basic steps are not recorded. <p>To apply a good technique of dividing the job:</p> <ul style="list-style-type: none"> ■ Select a person to observe. ■ Brief that person on the reason for your observation. ■ Observe the person performing the job and try to divide the job into basic steps. ■ Record each step in the process. ■ Check the process with the person observed. <p>Remember: Each step must describe what work is done, not how it is completed. Begin each step with an action word such as <i>remove</i>, <i>lift</i>, or <i>drive</i>.</p>
Hazards and Potential Accidents (Column 2)	<p>Identify all hazards and potential accidents — both those produced by the environment and those connected with the job procedure.</p> <p>To apply a good technique for identifying all hazards:</p> <ul style="list-style-type: none"> ■ Observe closely. ■ Repeat the job observation as necessary until you are confident you have identified all hazards and possible accidents. ■ Ask yourself these questions about each job step: <ul style="list-style-type: none"> – Is there a danger of striking against, being struck by, or making any other injurious contact with an object? – Can the employee be caught in, between, or by objects or moving parts? – Is there potential for a slip, trip, or fall? Can the employee fall on one level or to another level? – Can pushing, pulling, lifting, bending, or twisting cause a strain on the employee? – Is there an environmental exposure hazard, such as gas, radiation, or heat? ■ Check with the employee being observed; an experienced employee may be able to suggest additional ideas. ■ Make no attempt to develop solutions while analyzing each job step for hazards. Thinking about solutions at this stage interferes with the process of spotting hazards.
Recommended Action to Prevent Accident or Eliminate Hazard (Column 3)	<p>Develop a recommended safe job procedure to prevent the occurrence of potential accidents.</p> <p>Principle solutions may include:</p> <ul style="list-style-type: none"> ■ <i>Find a new way to do the job.</i> Determine the work goal of the job and then analyze various ways of reaching the goal to determine the safest procedures. ■ <i>Change or eliminate the physical conditions that create the hazard.</i> Ask yourself what changes in tools, materials, location, or equipment, for example, can eliminate the hazard or prevent the accident. ■ <i>Change work procedures to eliminate or minimize any hazards still present.</i> Ask yourself what the employee should do, or not do, to eliminate or minimize this particular hazard. ■ <i>Reduce the frequency with which the job is required.</i> <p>Note: Be sure to check or test your proposed solutions by observing the job again and discussing the changes with the workers who do the job.</p>

8-14.4 **Using a Job Safety Analysis**

When you distribute a completed JSA, it is your responsibility to explain its contents to your employees. If necessary, give your employees further training so they know exactly how to do the job — without accidents.

Train new employees in basic job steps; a well-prepared JSA makes an effective guide for training.

Occasionally observe your employees as they perform jobs for which a JSA has been developed. The JSA allows you to determine whether or not they are doing their job safely.

8-14.5 **Updating a Job Safety Analysis**

No matter how good a JSA is when first developed, it can prevent accidents only if you use it — and keep it up-to-date. When is a JSA out-of-date?

When it no longer works to prevent accidents. Time alone does not make a JSA obsolete. For example, a 10-year-old JSA could be as applicable to a specific job today as it was when first developed. For another job, a 2-year-old JSA may be obsolete. JSAs become outdated mainly because changes in tools, equipment, or materials lead to changes in procedures. When a procedure for a job changes and you neglect to revise the JSA, you increase the odds of fostering an accident.

8-15 Maintaining Parking Lots, Platforms, Driveways, and Sidewalks

8-15.1 **Lighting**

Make sure adequate lighting is installed and maintained to allow customers, the general public, and employees to safely enter and exit the premises. (See Handbook MS-49, *Energy Conservation and Maintenance Contingency Planning*, for additional information.)

8-15.2 **Removing Snow and Ice**

You must establish snow and ice removal plans where necessary. Pay particular attention to areas where customers and other pedestrians may slip and fall, and where vehicle maneuvering can be hazardous. Keep snow and ice away from utility and fire protection equipment.

Provide for reinspection and cleaning as often as necessary to handle drifting snow and refreezing. Encourage employees to help provide safe walking and driving surfaces on Postal Service premises by reporting icy and otherwise dangerous spots. Consult your local Postal Service environmental coordinator for guidance on the purchase and use of ice melting products.

Allow only trained and authorized employees to use snow blowers, plows, and other snow-moving equipment. Instruct them to keep hands and fingers away from moving parts and ejector chutes.

8-16 Personal Safety and Crime Prevention

You are responsible for keeping employees informed about the importance of personal safety and crime prevention. Schedule safety talks periodically regarding problems specific to your area. You may give safety talks yourself or request guest speakers from local law enforcement agencies and the Postal Inspection Service.

Maintain building security. All employees have the responsibility to politely greet and question strangers who do not possess proper identification and to report suspicious persons to the proper authorities.

Make periodic checks of the building and grounds to ensure that lighting and gates are functioning as designed. Door locks must not be disabled or doors propped open. Report security problems to the Postal Inspection Service or local law enforcement agencies immediately.

Inform employees of their responsibility for crime prevention. Because Postal Service carriers see every address on their routes every day, they can aid crime prevention and foresee emergencies in their communities. Instruct carriers to report suspicious activities on their routes. Ask them to notify you if mail piles up at any residence.

8-17 Radio Headsets

Employees may use personal portable headsets only while seated or stationary and only when using a headset will not interfere with performance of duties or constitute a safety or health hazard. Make sure that employees do not use headsets while walking or driving, near moving machinery, involved in oral business communications, or in contact with or in view of the public. Employees must not use personal portable headsets instead of approved PPE in noise hazardous locations. (For more information, contact local labor relations or safety staff. See appendix [Appendix C.](#))

8-18 Required Postings

Post the following in a conspicuous place for review by all employees:

- a. CA-10, *What a Federal Employee Should Do When Injured at Work*.
- b. OSHA Posters, *Job Safety and Health Protection*, 3165 (in English) and 3167 (in Spanish), which outline management responsibilities and employee responsibilities and rights under the Occupational Safety and Health Act.
- c. The facility EAP (ELM 820) is required at facilities with more than 10 employees. At a minimum, the plan graphically depicts emergency escape route assignments, locations of fire alarms and extinguishers, and emergency evacuation procedures. The plan identifies individuals responsible for specific assignments in the event of any emergency.

- d. The facility FPP (ELM 820) is required at facilities with more than 10 employees.
- e. Emergency telephone numbers (must be posted by every telephone).
- f. The CHEMTREC hotline, 800-424-9300, which provides 24-hour guidance on hazardous spills.
- g. A Safety Inspection Checklist that reports the results of an internal facility inspection must be posted for 3 working days or until all deficiencies are corrected (see ELM 824.426).
- h. If an OSHA inspection has resulted in issuance of OSHA Form 2, *Citation and Notification of Penalty*, it must be posted for 10 working days or until all deficiencies are abated (see ELM 825.51).
- i. Joint Labor-Management Safety and Health Committee Minutes are required of facilities or offices of 50 or more employees.
- j. Local safety policy statements, safety rules, and other related accident-prevention documents (see appendix [Appendix B](#)).
- k. Poster 76, *Some Things Were Never Meant to Be Mailed*.

8-19 Rest Bars

8-19.1 **General**

Make sure that rest-bar seats are properly used and stored in your work area. Instruct employees that rest bars are designed to support individuals in an upright, backward-leaning position while they are working at certain stationary activities. Employees must not use them as stools for sitting with the cushion in the flat position. The seat must be adjusted using only the slots provided in the seat support. Do not allow employees to tilt the seat to its most forward position or to rest the seat support against the welded stop.

8-19.2 **Proper Body Positions**

Anyone using the rest bar must place at least one foot on the floor or base at all times. If only one foot is placed on the bar rest, that foot must be on the bar rest rather than inside the bar rest. Never allow employees to place feet on case ledges when they are using the rest bar.

8-19.3 **Storing Rest Bars**

After using the rest bar, employees must fold the seat down flat and place it in a safe location, possibly near the working case. They must make sure that the seat support does not protrude outward.

8-20 Slips, Trips, and Falls

Conduct daily inspections of your work area to identify possible causes of slip, trip, or fall accidents. Causes may include:

- a. Poor housekeeping, such as loose objects like rubber bands, plastic strapping, or paper clips on walking surfaces.
- b. Slippery surfaces from cleaning or leakage; barricade areas until cleanup is complete.
- c. Cluttered stairways and steps.
- d. Empty sacks placed in walkways instead of their designated places.
- e. Dangling cords (from mail sacks on nutting trucks).
- f. Improperly located electrical cords.
- g. Congested areas.
- h. Employees climbing or jumping over stacks of mail sacks or over equipment such as nutting trucks and conveyors. Do not allow employees to jump from one level to another, such as off docks or tailgates.

8-21 Smoking

Smoking is defined as having a lighted or activated electronic cigar, cigarette, pipe, or other smoking material. Smoking is strictly prohibited in all buildings or office space (including service lobbies) owned or leased by the Postal Service. Smoking indoors by any occupant of such space is not allowed.

Local managers, with input from employee representatives, may decide whether or not to permit smoking in designated outdoor locations on Postal Service property.

Smoking is prohibited in any General Services Administration interagency fleet management system vehicles.

8-22 Solvents and Other Chemicals

8-22.1 **General**

Employees must use cleaning solvents, pastes, degreasing compounds, toilet cleaners, and other chemicals in strict accordance with the manufacturers' instructions and take all precautions on the label. Consult with your local environmental professional on pollution prevention programs when using any type of solvent.

8-22.2 **Selecting Cleaning Solvents**

Use care when selecting cleaning solvents for mechanical parts, because they may be toxic or flammable. Cleaning with highly flammable or toxic solvents (such as gasoline, benzene, and other such chemicals) is prohibited.

8-22.3 Storing Solvents

Volatile solvents used in work areas must be kept in metal safety containers in quantities limited to one work tour. Containers must be UL-listed, -labeled, or -certified (or approved by other laboratories). Make sure the containers are labeled with their contents.

8-22.4 Material Safety Data Sheets

Maintain material safety data sheets (MSDSs) or equivalent information in a location accessible to employees involved in the use of solvents and other chemicals. You must provide employees with effective information and training on hazardous chemicals in their work area. (See 29 CFR 1910.1200 for additional information.)

8-23 Workstations

8-23.1 General

The following guidelines are intended to foster the health and safety of employees who spend long periods of time seated at workstations and working at keyboards.

8-23.2 Sitting at Workstations

Make sure that your employees adjust workstation chairs (within their limits) to allow the following posture when seated:

- a. Body and head erect.
- b. Upper arms vertical.
- c. Lower arms comfortably horizontal.
- d. Wrists on an even line with the forearms.
- e. Thighs comfortably horizontal.
- f. Lower legs vertical.
- g. Feet on floor or footrest.
- h. When using footrest, chair adjusted so that elbows are at the height of the keyboard's home row.

8-23.3 Keyboard

Make sure that your employees observe the following when using the keyboard:

- a. When the height of the keyboard can be adjusted, see that the home row is at about elbow height and that keying can be performed with the wrist on an even line with the forearm. The elbow should be at approximately a 90-degree angle.
- b. When the height of the keyboard cannot be adjusted, set the chair height so that the elbow is approximately the same height as the home row and the wrist is on an even line with the forearm.

- c. Try to keep hands straight (aligned with forearms) and move arms with hands while keying.
- d. Use wrist rest when not keying.

8-23.4 **Monitor**

Make sure that your employees observe the following guidelines for using the monitor:

- a. Adjust screen to be a suitable distance (18 to 24 inches) from eyes, with the top of the screen at (or a little below) eye level. (Precise placement depends on visual acuity and corrective eyewear.)
- b. Adjust image color, brightness, and contrast. When possible, select white or a light color for background and a dark color for text.
- c. Position screen to keep the field of vision free from glare sources, such as overhead lights and light-colored clothing.
- d. Clean screen periodically to eliminate smudges and dust.

8-23.5 **Footrest**

If footrests are provided, instruct employees to adjust them to maintain support of thighs and lower legs. Keeping feet flat and thighs horizontal provides additional support for feet and legs.

8-23.6 **Work Practices**

To minimize reaching, instruct your employees to place frequently used objects (such as papers and the mouse) as close to each other as possible.

Encourage your employees to rest their eyes periodically. They should:

- a. Blink and look away from the screen.
- b. Stand up and stretch.
- c. Perform eye exercises such as:
 - (1) *Palming* — cup hands over closed eyes, with elbows resting on a table. Repeat two to three times a day for five minutes. The darkness and warmth of the palms rests the eyes.
 - (2) *Focusing* — hold one pencil 6 inches in front of the face with one hand and another pencil at arm's length with the other hand. Focus on one, blink, then focus on the other. Repeat for a few minutes and practice twice a day to improve ability to focus.

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Appendix A

Frequently Used Acronyms

ANSI	American National Standards Institute
BMC	bulk mail center
CFR	Code of Federal Regulations
CHEMTREC	Chemical Transportation Emergency Center
COP	continuation of pay
DOL	Department of Labor
EAP	Emergency Action Plan
ELM	Employee and Labor Relations Manual
ERMC	Eastern Region mail container
FECA	Federal Employees' Compensation Act
FPP	Fire Prevention Plan
GPMC	general purpose mail container
GSA	General Services Administration
HAZMAT	hazardous materials
JSA	job safety analysis
MI	management instruction
MMO	maintenance management order
MPC	multipurpose container (GPMC, ERMC, Post Cons)
MSDS	material safety data sheet
MTE	motorized transport equipment
NDCBU	neighborhood delivery and collection box unit
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
OTR	over-the-road container
OWCP	Office of Workers' Compensation Programs
PIT	powered industrial truck
PIV	powered industrial vehicle
PPE	personal protective equipment
PS	Postal Service (use this acronym only to identify forms)
psi	pounds per square inch
SF	standard form
SMO	senior maintenance official
SOP	standard operating procedure
UL	Underwriters Laboratories
VMF	vehicle maintenance facility

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Appendix B

Local Safety Policy and Procedures

Insert your local facility's safety policy and procedures here.

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Appendix C

Emergency Telephone Numbers

Insert local emergency telephone numbers here.

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Appendix D

Safety Reference Materials

What follows is a guide to reference materials — forms, handbooks, manuals, posters, and other documents — that may be useful in carrying out your responsibilities in the Postal Service’s safety program. Internet sources are included. The list begins with the Code of Federal Regulations followed by Postal Service, federal government, and private resources.

Consult this handbook and local policy for guidance as to which of these materials you are required to maintain at your work site.

D-1 Code of Federal Regulations

The Code of Federal Regulations (CFR) is the codification of the general and permanent rules published in the *Federal Register* by the executive departments and agencies of the federal government. It is divided into 50 titles that represent broad subject areas. Each volume of the CFR is updated once a year. The CFR can be searched online at www.gpoaccess.gov/cfr/. You can also purchase individual titles through the U.S. Government Online Bookstore at <http://bookstore.gpo.gov>.

The number before CFR is the title; the numbers following CFR stand for chapters and sections. The titles, chapters, and sections cited in this handbook are:

- 29 CFR 1904, *Recording and Reporting Occupational Injuries and Illnesses*.
- 29 CFR 1910, *Occupational Safety and Health Standards*.
- 49 CFR 300-399, *Federal Motor Carrier Safety Administration*.

D-2 Postal Service

D-2.1 PolicyNet and the Material Distribution Center

Many of the publications and forms listed here can be found on the Postal Service PolicyNet Web site: <http://blue.usps.gov/cpim>. Those available online are marked with an asterisk. Postal Service publications can also be ordered from the Material Distribution Center (MDC). From <http://blue.usps.gov/purchase>, click on *Materials Service Centers*. In the right-hand column, under “Resources & Tools,” click on *MDC TTOE Instructions*. A

Word document with instructions for ordering by touch-tone telephone will appear. You can print the document or save it to your own computer.

Forms

*PS 1700, *Accident Investigation Worksheet*

*PS 1766, *Hazard Warning Card*

PS 1767, *Report of Hazard, Unsafe Condition, or Practice*

PS 1769, *Accident Report*

*PS 1770, *Mail Piece Spill or Leak Incident Report*

*PS 1778, *Dog Warning Card*

*PS 1783, *On-the-Job Safety Review/Analysis*

*PS 4024, *Request to Repair Roads*

*PS 4056, *Your Mailbox Needs Attention*

PS 4565, *Vehicle Repair Tag*

*PS 4584, *Observation of Driving Practices*

PS 4707, *Out of Order (tag)*

Tag 44, *Sack Contents Warning*

Manuals

**Employee and Labor Relations Manual (ELM)*, Chapter 8

**Postal Operations Manual (POM)*

Handbooks

*HBK EL-800, *Managing Contract Safety and Health Compliance*

*HBK EL-801, *Supervisor's Safety Handbook*

*HBK EL-802, *Executive's and Manager's Safety Compliance Guide*

*HBK EL-803, *Maintenance Employee's Guide to Safety*

*HBK EL-810, *OSHA Programs*

*HBK EL-812, *Hazardous Materials and Spill Response*

*HBK EL-814, *Postal Employee's Guide to Safety*

HBK M-38, *Management of Rural Delivery Services*

HBK MS-1, *Operation and Maintenance of Real Property*

HBK MS-56, *Fire Prevention and Control*

HBK PO-502, *Container Methods*

HBK PO-603, *Rural Carrier Duties and Responsibilities*

*HBK PO-701, *Fleet Management* (Section 243.4 provides information about Item 087, *Accident Report Kit*.)

* Available online at <http://blue.usps.gov/cpim>

Management Instructions

- *MI EL-810-93-1, *Confined Space Safety*
- *MI EL-810-2006-3, *Response to Hazardous Materials Releases*
- *MI EL-810-96-2, *Hazard Communication Programs*
- *MI EL-810-2000-1, *Hearing Conservation Programs*
- *MI EL-810-2000-2, *Bloodborne Disease Exposure Control Plans*
- *MI EL-810-2001-1, *Personal Protective Equipment and Respiratory Protection Programs*
- *MI EL-830-1999-5, *Control of Asbestos Exposure From Brake and Clutch Repair and Service*
- *MI EL-850-2001-2, *Emergency Evacuation and Fire Prevention*
- *MI EL-890-2007-2, *Asbestos-Containing Building Materials Control Program*
- *MI EL-890-2007-4, *Lead Hazard Management*

Notices

- NOT 38, *Approaches to Curbside Mailboxes*
- *NOT 76, *Expanded Vehicle Safety Check*

Posters

- *POS 37, *It's What's Inside and How It's Packed*
- POS 76, *Some Things Were Never Meant to Be Mailed*
- *POS 138, *Keep the Mail Safe*
- *POS 173, *Secure That Load*
- *POS 181-A, *Double Satchel Features*

Publications

- *PUB 129, *Safety Talks*
- *PUB 174, *How to Avoid Dog Bites; Dogs and Dog Repellent*

* Available online at <http://blue.usps.gov/cpim>

D-2.2 Safety Resources and the Safety Toolkit

The Safety Resources page on the Postal Service Intranet is your portal to a wealth of information and tools for safety management. Go to <http://blue.usps.gov>. In the left column, under "Essential Links," click on *Safety Resources*. You will find links to information on safety program management, accident reduction, emergency evacuation, and frequently used documents. The two sites described below are especially useful to safety managers:

- *Safety Smart!* is an online source of information on topics such as electrical hazards, lockouts, fire, horseplay, housekeeping, materials handling, chemicals, and general safety. The site provides access to newsletters, magazines, posters, and clip art related to safety.

- *Safety Toolkit* is an online, interactive management tool for safety personnel. They use the toolkit to record and track facility inspections, Program Evaluation Guides (PEGs), and OSHA citations. To reach the toolkit from the Safety Resources Page, click on *Toolkit Information*, found on the left column. To use the Safety Toolkit, you must set up an account with a password (available only to safety personnel). Instructions are provided on the Safety Toolkit Web site.

D-2.3 **Maintenance Technical Support Center**

The Postal Service's Maintenance Technical Support Center (MTSC) is the resource for help with broken equipment, technical questions, and software needs. Go to www.mtsc.usps.gov and you'll find lists of equipment and handbooks and instructions for ordering parts. By entering the document number in the "search" box on the MTSC home page you can obtain the following documents:

- MMO 027-95, *Automation, Mechanization, and Building Machinery and Equipment Lockout Procedures*.
- MMO 8-86, *Testing of Electrical Tools*.

D-3 Department of Labor

D-3.1 **Office of Workers' Compensation Programs**

The Office of Workers' Compensation Programs (OWCP), Department of Labor (DOL), administers disability compensation programs that provide wage replacement benefits, medical treatment, vocational rehabilitation, and other benefits to certain workers who experience work-related injury or occupational disease.

Several forms discussed in this handbook are available online from OWCP. Go to www.dol.gov. Under "Find It!" click on *Forms*, then click on *Forms by Agency*. Then click on *ESA-Office of Workers' Compensation Programs DFEC (ESA-OWCP-DFEC)*. Click on any of these forms:

- CA-1, *Federal Employee's Notice of Traumatic Injury and Claim for Continuation of Pay/Compensation*.
- CA-2, *Notice of Occupational Disease and Claim for Compensation*.
- CA-10, *What A Federal Employee Should Do When Injured At Work*.

D-3.2 **Occupational Safety and Health Administration**

The Occupational Safety and Health Administration (OSHA), DOL, works to ensure the safety and health of America's workers by setting and enforcing standards; providing training, outreach, and education; establishing partnerships; and encouraging continual improvement in workplace safety and health.

The following OSHA posters are available online. Go to www.osha.gov. In the right column, under "Find It! in DOL," "Compliance Assistance," click on *Posters*.

- 3000, *Employers Rights and Responsibilities Following an OSHA Inspection.*
- 3021, *Employee Workplace Rights.*
- 3075, *Controlling Electrical Hazards.*
- 3120, *Control of Hazardous Energy (Lockout/Tagout).*
- 3165, *Job Safety and Health Protection (English).*
- 3167, *Job Safety and Health Protection (Spanish).*

You can also order OSHA posters from:

US DEPARTMENT OF LABOR/OSHA
OSHA PUBLICATIONS
PO BOX 37535
WASHINGTON DC 20013-7535

Telephone: 202 693-1888

Fax: 202 693-2498

D-4 Department of Health and Human Services

D-4.1 **National Institute for Occupational Safety and Health**

The National Institute for Occupational Safety and Health (NIOSH) is responsible for conducting research and making recommendations for the prevention of work-related injury and illness. NIOSH is part of the Centers for Disease Control and Prevention (CDC) in the Department of Health and Human Services. The NIOSH Web page takes you to helpful links. Go to www.cdc.gov/niosh/.

D-5 Department of Transportation

The Department of Transportation (DOT) has a Transportation Safety Institute with links to sites on highway safety and transportation of hazardous materials. DOT's special programs include providing officials who can speak to your employees about highway safety. Go to www.dot.gov.

D-6 Environmental Protection Agency

The Environmental Protection Agency (EPA) provides information about hazardous waste, pesticide safety, air quality standards, and pollution protection. Go to www.epa.gov. From the left side of the home page click on *Programs*. From there you'll find links for topics of interest. To get the contact information for a local EPA official, click on *Regions*.

D-7 General Services Administration

Standard Forms (SFs) are available from the General Services Administration (GSA). To access SF 91, *Motor Vehicle Accident Report*, go to www.gsa.gov. In the left column, under "Forms Library," click on *Standard Forms*.

D-8 National Fire Protection Association

The National Fire Protection Association (NFPA) publishes NFPA 101, *Life Safety Code*®; NFPA 70, *National Electrical Code*®, and other materials on fire safety. Go to www.nfpa.org.

D-9 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. (UL) is an independent, not-for-profit, product-safety testing and certification organization. UL has developed more than 800 Standards for Safety. For general information, go to www.ul.com.

UL provides a detailed summary of each standard. Go to www.ulstandardsinforonet.ul.com. Click on *Catalog of Standards*, then *UL Standards for Safety*. A list of standards, which you can search by name or number, will appear. To purchase UL standards, go to www.comm-2000.com/. The following standards are discussed in this handbook:

- UL 58, *Standard for Steel Underground Tanks for Flammable and Combustible Liquids*.
- UL 142, *Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids*.