



**In this Issue:**

- PPD ESH Open House—June 3rd
- Radiological Postings
- Requisition Requirements for Subcontractor Services Reminder
- Heavy Machinery Access
- Severe Weather Preparedness
- National Electrical Safety Month
- National Employee Health & Fitness Month
- TM/CC Continuing Education
- Safety Photos of the Month
- PPD April Injuries
- PPD ES&H Challenge

# PPD's News to Live By

PPD ES&H Newsletter  
May 2011

## PPD ESH Open House

PPD ESH is planning a picnic-style open house on Friday, June 3rd from 11:30 AM to 12:30 PM.

Safety information this year will include:

- BBQ Safety
- Camping Safety
- Fireworks Safety
- Severe Weather
- Spring Cleaning/ Household Hazardous Waste
- Sun Safety

If you are interested in attending, register [here](#), as space is limited.

PPD ES&H Open House Friday, June 3<sup>rd</sup> @ 11:30am-12:30pm  
Training Center Large Classroom

ES&H Information, Lessons Learned, Hot Dogs, Refreshments, and Prizes

## Radiological Postings Defined

Many areas around Fermilab are posted with that classic black and yellow tri-foil radiation sign. We all know that it pertains to radioactive materials or radiation in some way, but some signs read "Controlled Area" while others read "Radiation Area". Or sometimes areas are posted with two different signs at once. It can be a tough task to keep all of the wording straight. A simple table has been created, providing brief details as to what each type of sign really tells you about the radiological conditions within the area. Any further questions regarding radiation posting and signage can be directed toward your [D/S/C RSO](#).

Posting	Radiological Conditions	Entry Requirements
Controlled Area	Radioactive materials are present or radiation above natural background levels may exist. Doses less than 100 mrem/year.	GERT training
Radioactive Material Area	Items or containers of radioactive material exist. Dose rate less than 5 mrem/hour.	GERT training (Rad Worker training required if working directly with radioactive material.)
Radiation Area	Dose rate between 5 mrem/hour and 100 mrem/hour.	Rad Worker training + Dosimeter + Radiation Worker Permit (RWP) signature
High Radiation Area	Dose rate between 100 mrem/hour and 500 rem/hour.	Rad Worker + Dosimeter + Pocket Dosimeter + RWP signature
Very High Radiation Area	Dose rate greater than 500 rem/hour.	Rad Worker + Dosimeter + Pocket Dosimeter + Dose Rate Meter + RWP signature/RSO approval
Contamination Area	Removable radioactive contamination above certain levels provided in FRCM on a per-isotope basis.	Rad Worker + Dosimeter + RWP signature + PPE as prescribed by the RWP.
High Contamination Area	Removable radioactive contamination above certain levels provided in FRCM on a per-isotope basis.	Rad Worker + Dosimeter + RWP signature + PPE as prescribed by the RWP.
Airborne Radioactivity Area	Concentration of airborne radioactivity exceeds values listed in 10CFR835.	Rad Worker + Dosimeter + RWP signature + PPE as prescribed by the RWP.



## Requisition Requirements for Subcontractor Services Reminder

For anyone who has subcontractors performing construction or other on-site services (services such as copier repair), please note that all requesters of service must have a completed copy of Exhibit A attached to their requisition. Exhibit A can be found as an attachment to FESHM chapters [7010](#) and [7020](#). Not providing this form will prolong the procurement process.

## Who Has Access to Your Heavy Machinery?



Three Wisconsin teens [recently confessed](#) to damaging construction machinery. The teens accessed two construction sites after hours, and were able to start the machines (because the keys had been left in them). They proceeded to "duel" with the machines, smashing them into each other; one of the backhoes became entangled in live power lines. The teens caused over \$11,000 in damage.

Is there equipment in your work area that could be accessed by untrained individuals? Is it placed in a non-operational mode to prevent unauthorized use when not under the operator's control?

## Severe Weather Preparedness Reminder

With the rash of deadly weather that has been occurring recently, please make sure you are [prepared for severe weather events](#).

National Weather Service Press Release (4/28/2011): [DEVASTATING TORNADO OUTBREAK SERVES AS REMINDER OF IMPORTANCE OF PREPAREDNESS](#)

You can find additional information [here](#).



## May is National Electrical Safety Month

The Electrical Safety Foundation International (ESFI) says:



Electricity is an increasing presence in our modern lives. As our reliance on electricity grows, so does the potential for electrical safety hazards. Statistics from the National Fire Protection Association indicate an estimated annual average of almost 51,000 home fires involving electrical failure or malfunction. These fires claim almost 500 lives, injure more than 1,400 people, and result in \$1.3 billion in property damage each year. Electrical fires are not the only cause for concern. Statistics from the U.S. Consumer Product Safety Commission show that nearly 400 people are electrocuted in the United States each year. Fortunately, most electrical fires and incidents can be prevented. Electrical safety awareness and education among consumers, families, employees and communities will prevent electrical fires, injuries, fatalities, and property loss. The Electrical Safety Foundation International (ESFI) sponsors National Electrical Safety Month each May to increase public awareness of the electrical hazards around us at home, work, school, and play. This year's campaign challenges people across the country to evaluate the electrical safety of their own homes, learning more about their electrical systems and devices in the process.

You can learn more about home electrical safety through some fact sheets, which can be found [here](#). You can also use the ESFI's [Electrical Safety Workbook](#), a basic guide for maintaining and understanding your home's electrical system.

For workplace electrical safety, check out ESFI's [Electrical Safety in the Workplace](#) fact sheet.

## May is National Employee Health & Fitness Month



Since May is National Employee Health & Fitness month, we would like to remind you that Fermilab's [Wellness Office](#) offers many classes, clubs and activities for all interested employees and users (you will find groups ranging from the Dodgeball League to scrapbooking).

The Recreation Department will post new class information on the Wellness Office website, on area bulletin boards, and on tables tents in the WH cafeteria.

## Task Manager/Construction Coordinator Continuing Education Opportunities

For TM/CC looking for continuing education opportunities, please check out the following:

- [DOE's Operating Experience](#) page offers some videos that meet the training needs of TM/CCs
- [Industrial Safety & Hygiene News](#) webinars
- [Occupational Health & Safety](#) magazine
- [PureSafety On Demand](#) web training
- [Chicagoland Safety & Health Conference](#), September 19-22, 2011

If you know of any other training opportunities that could benefit Task Managers/Construction Coordinators, please forward information to [Angela Sands](#).

## Safety Photos of the Month

Why you should [never drive through a flooded roadway](#)...



## PPD April Injuries

4/4/2011—Employee was installing unistrut clamps in existing unistrut. Employee ascended ladder and bumped head on a vertical piece of 6" cable tray resulting in a contusion. First aid only. The cable tray had an installed rubber bumper, but it only covered the internal portion of the tray and not the corners. The cable tray bumper was modified to cover the corners as well and has been marked with black and yellow tape. Cable tray is installed lab-wide in a similar fashion.

If you have similar low head clearance issues in your work area, and are unsure how to correct the situation, contact your supervisor or PPD ES&H for assistance.



## April Winner

Winner of the acrylic cup:

No caption entries



## May Contest

For a chance to win a PPD ES&H acrylic BPA-free cup, answer the following question:

What signage should be posted in an area where an individual could receive a radiation dose of 5–100 mrem/hour?



Please submit your responses/answers to [Angela Sands](#) by May 23<sup>rd</sup>.

(If there are multiple correct answers/entries, a drawing is held.)