



*Best Practices Identified at the*  
**UAA Indiana  
Safety Summit  
June 23 & 24, 2022**

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# Live Line Demo: Dan Mekkes; Townsend

- The starting & stopping of electron flow through the length of a conductive path is **virtually instantaneous** (speed of light - 186, 000 mps) from one end of a conductor to the other.
  - **Critters**
- Direct/Indirect contact- Both are likely fatal
- Entry wound/exit wound- Extreme injuries; pictures
- Step Potential; Concentric rings radiating from point of contact with earth. Can extend in excess of 60 feet.

# Live Line Demo: Dan Mekkes; Townsend

- Conducive tools/Non-conductive tools; clean dry?
- MAD; Qualified Line clearance/Must be working under contract with utility./If not, trained personnel are incidental.
- Back feed; Incorrect generator connection; voltage feeds back through transformer to primary voltage.
- Always maintain MAD



# Live Line Demo: Dan Mekkes; Townsend

- Treat all wires as energized
- If you can't do the job safely, **don't risk it.**
- **Remember,** when electricity is involved, your life is on the line!
- **Who do you do Safety for?**



# Live Line Demo: Dan Mekkes; Townsend



# Live Line Demo: Dan Mekkes; Townsend



# Environmental Safety – Drones in Right of Way & Safe Operations: Rick Bellers; Davey Resource Group

- Drones can be used for multiple activities
  - Tree risk assessment
  - Herbicide application
  - Visual site risk assessments
  - Potential to set ropes/inspect location
- Different types of drones/fixed wing vs rotar

# Environmental Safety – Drones in Right of Way & Safe Operations: Rick Bellers; Davey Resource Group

- Capabilities of drones/cameras.
- Licensing requirements to fly drones.

# Herbicide & Pesticide Safety: Dewey Goss; Townsend Tree Service Co. LLC

- PPE/Shoes + socks.
- Label is the Law!
- Application technique.
- Extra clothing; cut stump treatment.
- Spotter for herbicide application.
- Site assessment. (fact sheet)



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### Supervision of Non-Certified Pesticide Applicators

1. All for-hire pesticide applications and all applications of Restricted Use Pesticides (RUP) must be made by certified and licensed applicators or by employees working under the direct supervision of a certified and licensed supervisor.
2. "Direct Supervision" of non-certified pesticide applicators may be accomplished by either of the following:
  - a. The certified supervisor is continuously on-site with the non-certified applicator while the pesticide is in use, **OR**
  - b. The certified supervisor provides his/her registered technician [View details on becoming a registered technician] all of the following:
    - i. Labels of the products being used;
    - ii. Label required personal protective equipment (safety gear);
    - iii. Instructions on how to and the means (telephone, radio, etc.) to establish direct voice communication with the supervisor while the pesticide is in use (for more information about direct voice communication: View [Policy Statement 01-1231](#); Establishment of Direct Voice Communication with the Supervising Certified Applicator (pdf, 34kb);

**AND**

- iv. A printed industry-specific site assessment fact sheet (see below).

# Herbicide & Pesticide Safety: Dewey Goss; Townsend Tree Service Co. LLC





Office of Indiana State Chemist - Pesticide Section  
Purdue University  
175 S. University Street  
West Lafayette, IN 47907-2063

### Category 6 - Industrial Weed Management Site Assessment Fact Sheet

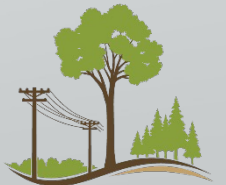
This fact sheet can serve as written instructions to a registered technician covering a variety of site-specific precautions to prevent injury to persons or the environment or damage to property. The certified pesticide applicator supervising the registered technician is responsible for determining the need for additional site-specific precautions. This fact sheet must be in the possession of the registered technician at the work site and must be reviewed by the registered technician prior to each pesticide application.

- I have a label and Material Safety Data Sheet (MSDS) for each pesticide product to be used at the job site.
- I will be wearing the personal protective equipment (safety gear) required by the label.
- My certified supervisor's name is \_\_\_\_\_, and I am able to contact him/her by \_\_\_\_\_.
- I have my registered technician credential with me.
- My application equipment is calibrated and in proper working order.
- I have a spill/emergency response kit on my vehicle.
- I am aware of the maximum application spray pressure allowed for this use.
- The current wind speed and direction do not favor off target drift.
- I am aware of the legal boundaries of the right of way application site.
- I have checked the application site for any of the following:
  - Known sensitive/concerned neighbors.
  - Unprotected workers or other people located near the area to be treated.
  - Off-target vegetation such as sensitive crops, gardens or ornamentals.
  - Potential for run-off (slope, approaching thunderstorms).
  - Lakes, ponds, streams or rivers.
  - Irrigation ditches.
  - Root zones of desirable vegetation that may extend into the treatment area.
  - Right-of-way areas being mowed/maintained by landowner.
  - No spray zones.

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# Herbicide & Pesticide Safety: Dewey Goss; Townsend Tree Service Co. LLC



**UAA**  
UTILITY ARBORIST ASSOCIATION

# Chain/Hand Saw Safety: Don Watkins and Travis Farling; Wright Tree Service

- Education & training;
  - Understand engineering of the saw.
  - Tool routing while aloft over life support.
  - One handing chainsaw.
  - Line of fire/Body positioning
- Little consistency in industry regarding safety features.
- PPE- Last line least effective defense.
- No one respects a saw you one-hand.





# Climber Safety & Technique: Nicole Carni; 2 Dog Crew LLC and Reggie Copes; Earthworks Outdoor

- Foundation is to start at the ground.
  - Tree risk assessment; Know where you are.
- Being safe makes you efficient which makes you productive.
- Types of gear.- Invest in gear. It will pay for itself over time. Buy in from corporate.
- First aid aloft.
- Proper hydration in all types of weather.



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