



MPSC Stray Voltage Rule Training Workshop
 Sponsored by Michigan Agricultural Electric Council & M.S.U.
 Biosystems & Agricultural Engineering Dept.



Thursday, July 10, 2008

Room 114 Farrall Hall, M.S.U. Campus (corner of Farm Lane and Shaw Lane)

(Farm Lane between Mt. Hope and the main campus is closed for construction)

Time: 8:30 AM to 3:30 PM

Parking: Parking permits will be provided to park in the lot north of Farrall Hall.

Lunch: will be provided

Lodging: If you need suggestions for lodging please call 888-817-8895

Cost: Michigan Agricultural Electric Council member organizations - no charge.
 Nonmember organizations - \$200 per participant.

Materials: Copies of the MPSC Stray Voltage Rule, the Guide to Applying the MPSC Rule, and Operating Procedures for PMI Recorder will be provided to each participant.

Target Audience: Technical personnel who will be supervising and or conducting an actual investigation under the MPSC Stray Voltage Rule.

Topics Covered: Following the steps for conducting stray voltage evaluations as specified in the MPSC Stray Voltage Rule. Instrumentation acceptable for conducting stray voltage evaluations. Analyzing actual data from a farm to determine proportion of on-farm and off-farm contribution, and how to conduct the "load box" test. The stray voltage simulator will be used to take actual measurements similar to those taken at an actual farm. Except for a brief review it will be assumed participants have an understanding of the sources of neutral-to-earth voltage.

CEUs: Participants will earn 0.6 CEUs and will receive a certificate of completion for the workshop.

Follow-Up Training: Regional meetings will be scheduled for later in July to work with small groups of technicians at an actual farm to practice conducting the various procedures in the MPSC Stray Voltage Rule. The follow-up training will include making connections for measurements, setting parameters and operating a stray voltage recorder, down-loading, analyzing, and printing data from the recorder. Also included in the follow-up field training will be conducting the so called "load box" test.

Registration Required: In order for us to make plans, provide parking permits, provide adequate seating, and provide lunch we must know how many plan to attend. We must receive notification by e-mail, fax (517- 432-2892), or phone (888-817-8895) by Monday July 7.

MPSC Stray Voltage Rule Training Workshop

Name: _____

Organization: _____

Address: (street) _____

(city) _____ (zip) _____

Phone () _____ e-mail _____

Mail to: Barb DeLong, Outreach Office, 216 Farrall Hall, Michigan State University,
 East Lansing, MI 48824-1323
 For non-members of MAEC make checks payable to Michigan State University.



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- 8:30 Introductory comments by M. S .U staff and MPSC staff
- 8:45 Brief review of NEV sources and testing procedures
- 9:15 Handling the first request for a stray voltage evaluation
- 9:45 What if the first contact does not satisfy concerns? What then?
- 10:00 Break
- 10:15 Instrumentation and requirements for conducting the 72 hour test.
- 11:00 Evaluating the data collected during the 72 hour test.
- 12:00 Lunch served in the lab (practice with instrumentation)
- 12:40 Conducting the “load box” test and determining off-farm contribution
- 1:45 Break
- 2:00 Follow up after on-farm or off-farm corrections have been made.
- 2:30 What if an expert team is requested to intervene?
- 3:00 How to proceed when distribution line is not a multi-grounded neutral type.
- 3:30 Adjourn

(for those interested instructors will be available to answer questions and explain how to use instrumentation for the various tasks in the Rule.)