



NORTH DAKOTA STATE ELECTRICAL BOARD

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Lyle Wergeland, Director of Inspections
Paula Glass, Office Manager

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NEWSLETTER

NO. 236

BOARD APOLOGIZES FOR NEWSLETTER DELAYS

As most of you know, there have been many changes at the North Dakota State Electrical Board in the past year. Along with those changes, as well as other obstacles the Board has faced concerning the flooding situation in North Dakota, the Board had reorganized its duties and priorities. Unfortunately, time has passed since our last newsletter issued approximately nine months ago. With this issuance, the Board is hoping to get back on track to keep contractors, electricians and the industry informed of what is happening as we progress onward. Thank you for your patience.

THE BOARD ANNOUNCES STAFF CHANGES

In the past year, a number of staff changes have taken place with the Board. In order to keep everyone informed, the Board's current staff consists of the following:

- ❑ Lyle Wergeland, Director of Inspections *
- ❑ Paula Glass, Office Manager
- ❑ Ashley Windhorst, Administrative Assistant
- ❑ Janel Redinger, Administrative Assistant
- ❑ Josh Wilson, Electrical Inspector
- ❑ Vern Hertz, Electrical Inspector
- ❑ Mitch Feininger, Electrical Inspector
- ❑ Scott Halle, Electrical Inspector
- ❑ David Paul, Electrical Inspector
- ❑ Michael Lund, Electrical Inspector
- ❑ Rich Wolfe, Electrical Inspector
- ❑ Al Schrader, Electrical Inspector **
- ❑ Carl Martin, Electrical Inspector ***
- ❑ Richard Krause, Electrical Inspector ****

* Lyle Wergeland, District 4 Electrical Inspector, accepted the position of Director of Inspections on August 1, 2011, which was vacated by Brad Steier. Congratulations Lyle!

** Al Schrader, former Electrical Inspector, was rehired on May 16, 2011 as District 9 Electrical Inspector. Welcome back Al!

*** Carl Martin accepted the position of District 10 Electrical Inspector on August 1, 2011.

**** Richard Krause, former Electrical Inspector, was rehired as a District Roaming Electrical Inspector on September 1, 2011. Welcome back Richard!

DON OFFERDAHL RETIRES



Don Offerdahl retired on April 1, 2011. He had been employed with the North Dakota State Electrical Board for over 25 years. Don started his career with the State Electrical Board on July 2, 1984 as an Electrical Inspector. Don held a key position with the North Dakota State Electrical Board as its Executive Director. Our best wishes to Don for many happy and healthy retirement years to come.

THANK YOU TO BRAD STEIER



The N.D. State Electrical Board would like to thank Brad Steier for his work being the past Director of Inspections and wish him the best in his future endeavors. Brad accepted a position with Great River Energy.

NEW INSPECTOR



Carl Martin has accepted the position of an Electrical Inspector. Carl was born and raised in Nampa, Idaho. He attended and graduated from Seland College of Applied Technology. He received his North Dakota Master electrician's license in April, 2010. Carl and his wife, Monica, live in Richardton. They have two sons, Blake and Tanner. He enjoys the outdoors and wildlife. We are proud to have Carl as part of the N.D. State Electrical Board.

REMINDER: NORTH DAKOTA ADOPTED THE 2011 NATIONAL ELECTRICAL CODE EFFECTIVE "SEPTEMBER 1, 2011"

On or after September 1, 2011, all wiring and equipment installed needs to meet the 2011 State and National Electrical Code. In another article in this newsletter, you will find "Important 2011 National Electrical Code and N.D. Laws, Rules & Wiring Standards Changes."

2011 NATIONAL ELECTRICAL CODE BOOKS STILL AVAILABLE

The N.D. State Electrical Board has a limited supply of 2011 National Electrical Code books available for \$55.00 (plus \$5.00 shipping, if mailed). SO GET YOURS TODAY.

JAMES SCHMIDT ELECTED PRESIDENT

The N.D. State Electrical Board held election of officers at their July 13, 2011 meeting. James Schmidt of Petersburg, North Dakota was elected President. He represents a Journeyman electrician on the Board. Earl Scherer of Bismarck, North Dakota was elected Vice President, Karen Karls of Bismarck, North Dakota was elected Secretary and Rodney Mayer of Minot, North Dakota was elected Treasurer.

EARL SCHERER REAPPOINTED TO BOARD

Earl Scherer was reappointed by the Governor as a Board member representing a member associated with an investor-owned utility. Earl lives in Bismarck, North Dakota. Congratulations Earl on your re-appointment. We look forward to working with you during the next five years.

51ST ANNUAL N.D. CHAPTER IAEI MEETING

The N.D. Chapter International Association of Electrical Inspectors will hold its annual continuing education seminar and meeting at the Seven Seas in Mandan, North Dakota on October 20-21, 2011. Representatives from Underwriters' Laboratories, Cooper Bussmann, National Electrical Manufacturers Association and Eaton Corporation will be presenting informative presentations, and as always, a code panel will discuss field problems.

This year's N.D. IAEI Distinguished Service Award recipient is Richard Wolfe of Bismarck, North Dakota. Richard is an Electrical Inspector with the North Dakota

State Electrical Board. He has been employed with the Board since June, 1999. Richard will receive this award at the banquet on October 20, 2011.

Twelve (12) hours of continuing education credits will be available for those attending the entire seminar. The fee for the seminar is \$65.00 in advance if received by October 14, 2011 or \$85.00 at the door. Registration will be from 7:15 a.m. to 8:00 a.m.

Registration forms can be downloaded from N.D. Chapter IAEI's website at www.iaeind.org.

DEEPEST SYMPATHY EXPRESSED FOR FAMILY OF DAN OFFERDAHL

Dan Offerdahl, 58, of Moorhead, Minnesota, died April 19, 2011. He had been employed as the Electrical Inspector for the City of Fargo, North Dakota since 1989. He obtained his Master license #1331 in 1980. He participated on many state electrical code discussion panels. He was an active member of the IAEI and received the N.D. Chapter Distinguish Service Award in 2003. We wish to express our deepest sympathy to Kathy, his surviving wife, and family and friends.

IMPORTANT 2011 NEC & N.D. STANDARDS CHANGES

- ▶ NEC 110.24 – Available Fault Current.

(A) Field Marking. In other than dwelling units, service equipment shall be legibly marked on the main service panel with the maximum available fault current and the date the available fault current was calculated. [For Example: Max fault current 22k on 9/16/11.]

** Contact your local power representative for the fault current at the secondary of the transformer at your site.

** Using the point-to-point method, calculate any reduction in the available fault current for the length and characteristics of the conductors used between the transformer and the main service disconnect. The following websites may be of assistance:

 - Littlefuse: www.littlefuse.com.
 - Bussmann Manufacturing: www.cooperbussmann.com.
 - Mike Holt: www.mikeholt.com.

- ▶ NEC 210.8. Ground-Fault Circuit-Interrupter Protection for Personnel.

Ground fault circuit interrupters shall be installed so the test and reset buttons are readily accessible.

NEC 210.8(A)(7). Dwelling Units.
In other than dwelling kitchens, GFCI protection of receptacles is required within 6 feet of all sinks.

NEC 210.8(B)(6); (7); and (8).
In other than dwelling units, GFCI protection of receptacles is now required in indoor wet locations, in locker rooms associated with showering facilities, and in garages, service bays and other similar work dwellings.

- ▶ ND Wiring Standards 24-02-01-16.1. Smoke Detectors . . . Carbon Monoxide Alarms . . .

3. Carbon monoxide alarms. For new construction, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

- ▶ NEC 250.121. Use of Equipment Grounding Conductors.

An equipment grounding conductor cannot be used as a grounded electrode conductor.

- ▶ NEC 210.52. Dwelling Unit Receptacle Outlets.

(I). Foyers. In foyers that are 60 square feet or larger, receptacles are required in each wall space 3 feet or greater in width.

- ▶ NEC 404.2. Switch Connections.

Grounded circuit conductors (neutral) are now required to be located at each switch location in both residential and commercial.

- ▶ N.D. Wiring Standards 24-02-01-03(9). General Requirements.

All new construction shall follow the energy-efficient related requirements for design and construction of buildings in accordance with the currently adopted state building code. [All boxes and luminaires shall be installed as not to disturb the building vapor barrier as set forth by the 2009 IRC and IBC and 2009 IECC].

NEW LICENSES ISSUED

Examinations were conducted in Bismarck in December, 2010, January, 2011, February, 2011 and March, 2011 (April-September, 2011 - published at a later date). **Our congratulations to the following applicants who passed their examination and were issued a license.**

MASTERS

® Represents Reciprocal Licenses

2776	Curic, Ranko	Grand Forks, ND	2792	Kunz, Earl	Ceresco, NE
2777	Ek, Edward	Kalispell, MT	2793 ®	McCollum, Mark	Hawley, MN
2778®	Schafer, Frank	River Falls, WI	2794 ®	Bergh, Scott	Warren, MN
2779 ®	Wintheiser, David	Bloomington, MN	2795	Gephart, Rob	Fargo, ND
2780	Zurn II, Chris	Moorhead, MN	2796	Bartsch, Tim	Rugby, ND
2781	Rossow, Lance	Flasher, ND	2797	Swanson, Dwight	Maple Grove, MN
2782	Stachowski, Steve	Fargo, ND	2798	Maynard, Ken	Hillsboro, OH
2783 ®	Vos, Randy	Faribault, MN	2799	Rockstad, Adam	East Grand Forks, MN
2784 ®	Weiss, Timothy	Anoka, MN	2800 ®	Wallin, Daniel	Fergus Falls, MN
2785	Zurcher, Joshua	Grand Forks, ND	2801 ®	Cropp, Byron	Forest Grove, OR
2786	Boling, Joshua	Minot, ND	2802 ®	Levin, Jason	Long Prairie, MN
2787 ®	Jansen, Billy	Chaska, MN	2803 ®	Cunningham, Phillip	Fort Worth, TX
2788 ®	Neilson, Dan	Stacy, MN	2804	Bockness, Dale	Gallatin Gateway, MT
2789 ®	Crawmer, Dan	LeCenter, MN	2805	Cote, Travis	Williston, ND
2790	Reed, William	Gillette, WY	2806	Qual, Jayson	Fargo, ND
2791	Kremer, Eric	Minot, ND	2807	Sunde Jr., Emmett	Omaha, NE

JOURNEYMAN (Exam Only)

® Not Listed - Issued 136 Journeyman Reciprocal Licenses

6336	Egeland, Marty	Bismarck, ND	6395	Shol, Craig	Moorhead, MN
6337	Asendorf, Tyler	Minot, ND	6400	Brevik, Adam	Fargo, ND
6339	Eken, Christopher	Grand Forks, ND	6404	Faucher, Stephen	Marshfield, WI
6347	Bousson, Joseph	Lindenhurst, IL	6405	Hagen, Ryan	Thief River Falls, MN
6349	Davis, Michael	Baker, MT	6414	Alberts, Daniel	Williston, ND
6350	Delabarre, Neil	Bismarck, ND	6415	Berge, Austin	Fergus Falls, MN
6356	Lewis, Ryan	Glyndon, MN	6417	Bjorgan, Steven	Red Lake Falls, MN
6358	Miller, Jason	Mandan, ND	6420	Johnson, Travis	Thompson, ND
6361	O'Connor, Justin	Baker, MT	6421	Kapp, Michael	Jamestown, ND
6365	Sheldon, Scott	Dilworth, MN	6423	Laux, Leah	Grand Forks, ND
6368	Goodman, Ben	Minot, ND	6428	Tormaschy, Allen	Taylor, ND
6369	Koops, Brian	Sioux Center, IA	6438	Rysavy, Rick	Fargo, ND
6371	Swift, Gary	Bismarck, ND	6439	Zuber, Frank	Fargo, ND
6373	Johnson, Derek	Cando, ND	6462	Benson, Eric	Redmond, OR
6374	Kovarik, Dan	Grand Forks, ND	6467	Holte, Joshua	West Fargo, ND
6377	Somsen, Rory	Fargo, ND	6471	Pengilly, Cody	Langdon, ND
6378	Braun, Luke	West Fargo, ND	6478	Gardner, Robert	Sacramento, CA
6381	Sova, Jonas	Williston, ND	6479	Johnson, Michael	Fargo, ND
6384	Anderson, Michael	Moorhead, MN	6498	Anderson, Ryan	Morris, MN
6385	Ashley, Gary	Sidney, MI	6502	Kramer, Anthony	Fargo, ND
6387	Carlson, Dustin	Edgeley, ND	6504	Rosenlund, Kent	Kalispell, MT
6388	Flammang, Casey	Minot, ND	6509	Klatt, Brian	Grand Forks, ND
6391	Klein, Justin	Minot, ND	6510	Kraft, Josh	West Fargo, ND
6392	Korynta, Ross	Fisher, MN	6519	Wolf, Ryan	Casselton, ND