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A Message From the Executive Director:



Hello, everyone!

I hope everyone is doing well!! We've had a nice summer and soon will be transitioning into fall!

The administrative rules process is moving along nicely. July 26th was the public hearing at which your comments and views were heard by the Board. Public comments were received up to 10 days after this hearing. At the September 13th meeting, the Board voted to move the proposals on and now the proposals will go to Legislative Council and the Attorney General offices for their review. We are still shooting for an adoption date for the 2023 NEC to be January 1, 2024 for the rules to go into effect, but we'll have more info on that later. Currently the exams are still on the 2020 NEC, and we'll announce when the exams change to be on the 2023 NEC.

There's been discussion about NEC Article 250.122(F)(2)(c) whether parallel cables can be run in a trench with similar

grounding requirements as cable tray or raceway etc. Its been decided to modify this article which is listed on another page in this newsletter.

There's been some discussions on inspection corrections. I am not wishing for this, but I hope its realized that it can have significant impacts. There is a procedure for appealing these decisions which is laid out in our ND Wiring Standards booklet.

Our NDSEB sponsored continuing education classes for this next season has started so sign up for the class that fits your schedule. This year's class will focus on 2023 NEC code changes and don't forget to write down ideas for subject matter on the comment cards for our future classes. The earlier classes usually have low attendance so if you want to get some one-on-nearly-one training with Scott, that would be the class to attend!

Check out our website often for new information:

<https://www.ndseb.com/>

Email: electric@nd.gov
Mail: ND State Electrical Board
PO Box 7335
Bismarck, ND 58507-7335

Hope you're getting out and enjoying the nice weather!!

I wish you enough,
- James Schmidt



News & Notes from NDSEB

NFPA CODE PANEL 14

The NDSEB is proud to announce and a big congratulations to our District 10 Electrical Inspector Kendrick Kjorsvik, who was recently been appointed to the National Fire Protection Agency (NFPA) Code Making Panel 14 as their inspector member.



Ken has been with NDSEB since January 2013 as an electrical inspector. It's quite an honor to have Ken represent ND on this code making panel, so we want to wish him good luck with his appointment as we are sure he will be a huge asset to NFPA.

As we get updates from Ken, we will pass them along. Again, Congratulations Mr. Kjorsvik!!

UNSUPERVISED APPRENTICES

We are still finding jobsites where apprentices are working alone. This is a violation of state law and several contracting Masters, along with their

business agents, have had to appear before the Board and have left with their license placed on probation based on each circumstance. Along with this, the apprentice is sent a Cease and Desist letter, which is prosecutable if turned over to the local state's attorney.

We want to rectify this situation; it is not permissible to leave apprentices alone on a jobsite unsupervised. All contractors, licensed electricians and apprentices know the rules so let's stop doing this as inspectors will be verifying licenses on jobsites more frequently now.

EXAM APPLICANTS

Many of the exam applications that come into our office must be returned to the applicant due to being incomplete. Below are guidelines to follow to make the process smoother.

- Read and follow all instructions provided on the exam application (SFN 11858).
- Complete the entire exam application and answer all questions listed such as your personal information, schooling,

felony information, if applicable, work history and do not forget to sign and date the bottom of page 2.

- Provide all required documentation; trade school transcript or apprenticeship training completion certificate along with completed employment verification(s).
- The employment verification (SFN 11845) must be completed by your current and/or previous employers and submitted with the exam application. Recently we have been receiving the completed employment verification directly from the employer. We only accept employment verification(s) that accompany a completed exam application.
- Once the above items are completed, you may submit your exam application, documentation and the appropriate fee on a check or money order to our office for processing.

Hopefully the above tips will help with the completion and submittal of an exam application to our office. If you have any questions, please do not hesitate to contact us.

FAKE LICENSING

Beware of individuals coming in from other areas claiming to be ND licensed electricians. We have a person from Colorado posing as a licensed ND electrician using an expired license held by a South Dakota individual. The screen shot he used from our website "Lookup a Licensed/Registered Electrician" appeared legitimate. So be sure to check our website yourself when in doubt.

<https://www.ndseb.com/search-1/lookup-a-licensedregistered-electrician/>

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A Message from the Executive Director

Apprentice Mentoring

We all start somewhere, and we all had our first day on the job as a 1st year apprentice. From that day forward, an apprentice is constantly learning new things and it can be quite overwhelming at first.

The education requirement for writing the license exam is an important step to help apprentices learn code, but we sometimes forget that the in-the-field training is just as important. As licensed electricians, we should take the job of mentoring and guiding our apprentices seriously to help them in every aspect of the trade.

If you tell your apprentice to go and label the panel, maybe take a minute, and show him or her 408.4 in the code book so they can see where the requirement comes from. It's important that they can make the connection from code language to field install.

If they ask questions, please make sure you are giving them the correct codes and standards. Take a second and look it up yourself if you do not know. No one is ever done learning in this trade. We could all learn something new every day.

Obviously, safety is an important component as well. They may not even know what an arc flash is and do not realize there are numerous ways to get hurt in the field. Let's guide these young apprentices so they have a safe and rewarding career.

News & Notes from NDSEB (cont.)

Revision for NEC Article 250.122(F)(2)(c) (for North Dakota, "trench" is now part of this code article).

"If multiconductor cables are paralleled in the same raceway, auxiliary gutter, "trench" or cable tray a single equipment grounding conductor that is sized in accordance with 250.122 shall be permitted in combination with the equipment grounding conductors provided within the multiconductor cables and shall all be connected together."

ANNUAL CERTIFICATE AUDIT

The N.D. State Electrical Board will be conducting its annual audit of electrical

wiring certificates in start-up status and issued over a year ago (prior to 9/30/22). If applicable, a letter will be mailed to you in October 2023, along with a report of those certificates. We will be asking that you provide a status of each certificate on the report that you receive, and would appreciate your response by the deadline.

After completing our audit in 2022, approximately 77% of the jobs were turned in as completed. It is important that if these jobs are done the final paperwork with the inspection fee needs to be submitted, so we can complete the final inspection process.

Temporary Power Installations

With many construction sites well underway and more new projects just getting started, temporary power is always needed and sometimes gets installed in a hurry to get the projects going. But do we really understand the safety requirements for: "Temporary Installations?"

The requirements of Article 590 apply to temporary power and lighting installations and removals, including power for construction, remodeling, maintenance, repair, demolition, and decorative lighting. Temporary installations for carnivals, circuses, fairs, and similar events must be installed per Article 525, not Article 590.

When construction is completed and you no longer require the temporary wiring, you must remove all temporary wiring per NEC 590.3(D), but for temporary electrical power for decorative holiday lighting and similar purposes, it is permitted for a period of up to 90 days only, then you have to remove the temporary electrical power per NEC 590.3 (B).

On a construction site, receptacles are not permitted on a branch circuit that supplies temporary lighting per 590.4(D)(1). This is necessary so illumination is maintained when the receptacle's GFCI trips and all temporary lighting lamps need to be protected from accidental contact by a suitable luminaire or lamp holder with a guard per NEC 590.4(F).

Remember to protect temporary cables and flexible cords from physical damage and from sharp corners and projections when the cables or flexible cords pass through doorways or other pinch points, and cable assemblies and flexible cords must be supported at intervals that ensure protection from physical damage. NEC 590.4(J) says cables and flexible cords, other than extension cords, are not permitted to lie on the floor or the ground when used as branch circuits or feeders, and support requirements for temporary cables is determined based on the jobsite conditions. You cannot use vegetation to support overhead branch-circuit or feeder conductors.

Last but not least, GFCI protection is required for receptacles used for construction, remodeling, maintenance, repair, or demolition of buildings, structures, or equipment per NEC 590.6, and all 15A, 20A, and 30A receptacles that are not part of the permanent wiring of the building shall be GFCI protected per NEC 590.6(A)(1). NEC 590.6(B) basically says all other receptacles used on temporary installations shall be GFCI protected. This also includes all 250 volt receptacles.

If you have any doubt or questions about your temporary power installation, please call your local inspector or the NDSEB, so we can all start projects off on the same page.

Please remember that according to North Dakota administrative rule 24.1-05-01-01. Electrical certificates:

Within fifteen days of completion, use, or occupancy, whichever is first, the final paperwork must be submitted to the office of the board, along with the proper fee.

SERVICE AWARDS

The North Dakota State Electrical Board would like to CONGRATULATE the following employees for achieving ten (10) years of service:

Douglas Grinde, Director of Inspections

Kendrick Kjorsvik, Electrical Inspector

COMING SOON – ONLINE RENEWAL OF APPRENTICE REGISTRATIONS

Apprentice registrations will expire on January 31, 2024 (unless originally registered after November 1, 2023). A postcard reminder will be mailed out to all registered apprentices the first week of December 2023, but registration renewals can start as early as November 1, 2023.

Remember, apprentices must remain registered for work experience to count towards a journeyman license, and it is also the responsibility of the contracting Master to assure that all their apprentices are renewed. ☺

CEU Classes

NDSEB CEU classes are filling up fast and as of this Newsletter, the following classes remain:

- November 16, 2023 [Williston]
- November 17, 2023 [Dickinson]
- December 7, 2023 [Minot]
- December 8, 2023 [Bismarck]
- January 4, 2024 [Grand Forks]
- January 5, 2024 [Fargo]

Registration is only available through our website at www.ndseb.com,

Be sure to get your continuing education credits before the license renewal deadlines. Don't wait until the last minute and scramble to find something.

If you choose to take a continuing education course from another provider, verify that their course has been approved for credit toward your North Dakota license. All courses must have their curriculum pre-approved by the Board. There is a list available on our website that shows all approved courses, and has contact information for the providers so you can contact them for availability.

Making A Connection: Brad Luck, District 5 Inspector

Originally

from Minot, Brad Luck graduated from Minot High in 1993 and worked as a contractor in and around the Minot area. He has worked for the NDSEB for two years and is the District 5 (Mountrail County) inspector.

Brad and his wife Holly have two kids: Cody (22) and Emily (19).

What projects are you currently working on? I am currently doing inspections in Mountrail County. Most projects involve oil and gas and vary in size. There are also several large commercial projects under way.

What is your favorite part of your job? I enjoy the interactions with contractors and electricians in the field.

Do you have a favorite memory or experience while working for the NDSEB? Tom Crawford stories are always very entertaining (NDSEB District 9 Inspector).

Did you or do you have a mentor or a person that inspired you? My

father-in-law Marlin. He inspired me to get into the electrical trade.

What are your hobbies? Anything with my family, especially hunting and fishing.

What's your favorite TV show? That '70s Show

The best thing about North Dakota is . . . ? The people and the hunting and fishing opportunities.

What would be your dream vacation? Rome is definitely at the top of my list. ☺

