

To those involved in corrosion control work in the States of North Carolina and South Carolina:

My name is Bill Deaton and I work for Williams Gas Pipeline - Transco. Some of you know me from interference testing we have done in the past, from attending classes together, or maybe we have attended a NACE - Carolina Section meeting together. I am writing this to you because you are involved in the control of corrosion in some way or another. For those of you that know me, you know that I have been trying to organize a Corrosion Control and Coordinating Committee for the Carolinas. Such a committee would cover both South Carolina and North Carolina. It would be named the Carolina Underground Corrosion Control and Coordinating Committee, or CUCCCC for short.

The main goals of such a committee would be to:

- 1.) Establish a membership list of companies and personnel, with their geographical areas of responsibility, so that anyone needing to contact another company's corrosion department for issues related to a certain location would know who to contact;
- 2.) Establish a list of rectifiers including the name of the company they belong to, name of the rectifier, the rated output, the present operating output, and its location so that when we try to perform on-off close interval surveys we will know where all the current sources that could influence our pipelines are located and also when we suspect interference on our pipelines we will more easily recognize which rectifiers could possibly be causing it;
- 3.) Establish a set of by-laws by which we all voluntarily agreed to abide. The main purpose of which is to formalize a method whereby we can notify each other of new rectifier and grounded installations or adjustments to existing groundbeds. The means by which this is accomplished is through the use of a notification circular. The notification circular would be filled out by the company making the change and then distributed to the membership. The reason for doing this is so that each operator that might be adversely impacted can perform cooperative interference testing with the company who is adding the rectifier and groundbed or making the adjustment. This would allow us to be made aware of problems before they are allowed to continue for any length of time and become serious.

I want to put you at ease by letting you know that these types of committees are very common, in fact there are many across the United States. I am the secretary for the Baltimore-Washington Corrosion Coordinating committee (BWCC) and the Virginia Underground Corrosion Control Coordinating Committee (VUCCCC). These committees meet 2-4 times per year depending on what the members agree to in the by-laws. The last thing any of us need is another meeting, so I propose that the CUCCCC meet after the NACE Carolina Section meetings that occur on a quarterly basis. The CUCCCC would not be associated with NACE or the Carolina Section, even though such committees are encouraged by NACE and a generic set of by-laws that will be used as a go-by were obtained from NACE. The reason for doing this is to cut down on the number of meetings we all attend and since the NACE Carolina Section is such a strong section and has good attendance by members, this would be a great time to have them since we are already all together. The meetings are not long, generally 15-30 minutes, and they allow us to discuss problems that we are having, pass around notification circulars, and communicate upcoming project information that might impact other companies.

I have talked to enough of you reading this now to know that a lot of you are in favor of forming such a committee. I have attended enough of the NACE Carolina Section meetings and talked to enough of you to know that we don't have much time and for many years it has taken a good deal of effort on the part of those who do corrosion work to get at the root of a problem when it involves another company. Even though it is not formalized, Williams Gas Pipeline - Transco, agrees to abide by the by-laws attached below. I have heard some of the reasons for not participating, lack of freedom to freely distribute information on your pipeline, not having enough authority to make the decisions that might need to be made, etc. My hope is that everyone would realize that such a committee is needed and we could all agree to work together to come up with solutions to address issues such as security of information and authority to make decisions so that we can move forward. I really would appreciate hearing back from you letting me know your thoughts on this matter, good or bad, and look forward to working with you to making this committee a reality. If you would rather talk to me face to face I will be attending the next NACE Carolina Section meeting on 2/5/04 in Charlotte, NC and you can do so then, or you can call me, my numbers are at the bottom.

Until it is formalized I will be performing the duties of Secretary for the CUCCCC, and even after it is formed I agree to be the permanent Secretary, if everyone agrees to allow me to do so. I am already performing this function for the BWCC and VUCCCC on a permanent basis. I would maintain the membership list, rectifier list, send out notification circulars to the membership, and send out the meeting notices. Attached below are the by-laws. I will wait to send out the membership list and list of known rectifiers until I have formally received notification from each company authorizing me to distribute it only to those members of the committee.

Thank you for your time and consideration on this matter.

W. K. "Bill" Deaton
Williams Gas Pipeline – Transco Pipeline Integrity - Charlottesville Division
345 Greenbrier Drive Charlottesville, VA 22901
Office: 434-964-2104 Cell: 434-962-2442 Pager: 888-936-7028

By-Laws of the CUCCCC
Last Revised 01/26/2004
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Carolina Underground Corrosion Control Coordinating Committee Bylaws

Article I Organization

Sec. 1 The name of this organization will be the Carolina Underground Corrosion Control Coordinating Committee (CUCCCC).

Sec. 2 The purpose of the committee will be to institute and foster cooperative corrosion mitigation and corrosion interference mitigation involving underground metal structures.

Sec. 3 The area of operation will fall within the boundaries of the state of South Carolina and North Carolina, and as outlined in a below.

- a. Problems originating on structures adjacent to these boundaries, and affecting structures within the boundaries.

(NOTE: Problems described in a may also be carried simultaneously as active cases in the adjacent area's underground corrosion-control coordinating committee.)

Article II Membership

Sec. 1 The membership shall consist of representatives of state or local governments, public service and industrial or commercial companies with underground metal property interest in the operating area which may be corroded by direct electrical current flowing in the earth which originates from neighboring sources; or whose property is capable of creating electrical conditions which would enhance corrosion on neighboring underground metal property.

Sec. 2 Membership in the Carolina Underground Corrosion Control Coordinating Committee may be obtained by written request to the Committee secretary/treasurer.

Sec. 3 As the need arises for secretarial expenses for the function of the committee, each member will be assessed. This assessment will include only material cost affecting Carolina Underground Corrosion Control Coordinating Committee operations.

Sec. 4 Manufacturers of corrosion control materials and their representatives are permitted to attend or participate in the informational, educational, or social portions of the meetings.

Article III Officers

Sec. 1 Officers will be elected by vote of the members within the Carolina Underground Corrosion Control Coordinating Committee.

Sec. 2 The officers of the committee will include a chairman, a vice chairman, a secretary/treasurer and other members as necessary.

Sec. 3 Officers must be selected from the active members of the Carolina Underground Corrosion Control Coordinating Committee.

Sec. 4 After each election, the list of new officers shall be submitted to the chairman of NACE Task Group T-10B-1 and to the NACE technical activities director.

**Article IV
Duties of Officers**

Sec. 1 The duties of the officers will be as follows:

- a. The chairman will conduct meetings and coordinate all affairs of the committee.
- b. The vice chairman will substitute for the chairman in his absence and perform any other duties as may be assigned to him by the committee.
- c. The secretary/treasurer shall record proceedings of meetings and mail copies of the minutes to the membership. The secretary/treasurer will e-mail copies of directory changes, meeting notifications, notification circulars, and directories. The secretary/treasurer shall be the correspondent for the committee and will maintain a correspondence file.

**Article V
Term of Office**

Sec. 1 The tenure of office for all officers will be two years, with nominations and elections for offices being held in the month of November.

Sec. 2 A nominating committee shall be appointed by the chairman from members of the Carolina Underground Corrosion Control Coordinating Committee to select the officers and chairmen for the standing committees. To assist the nominating committees in choosing new officers, the committee will follow an unwritten tradition of advancing each officer through the chairs, so that it is only necessary to select a new nominee for the lowest chair; this nominee is chosen with the understanding that he will be advanced at each election.

**Article VI
Meetings**

Sec. 1 Meetings will be held on the first Thursday of February, May, August and November. The site will be designated by the chairman, who may consult the membership for suggestions. The time/location will be announced at least 2 two weeks prior to the meeting.

Sec. 2 The minutes of the meetings will be sent to each member company and any approved underground corrosion-control coordinating committee within or adjacent to the operating area of the Carolina Underground Corrosion Control Coordinating Committee.

Sec. 3 Special meetings may be called by the chairman and may also be called on the written request of any three voting members.

Sec. 4 All information and data discussed at meetings shall be confidential to the members of the committee and those present. All business and publications of this committee will be confined to members only, except upon the unanimous approval of the committee members. The bylaws and membership lists may be available to anyone and given upon request to the secretary/treasurer.

Sec. 5 Administrative business will be voted upon, with each member company present casting one vote.

**Article VII
Subcommittees**

Sec. 1 The following standing committees will be maintained:

- Technical Program Committee
- Utility Coordinating Group Committee
- Directory Committee (Coal Mine and/or Electric Railway Substation Location)
- Personnel Directory Committee
- Underground Structures Directory Committee
- Rectifier and Bond Directory Committee

- a. Chairmen of standing committees will be elected or appointed at the same time the officers are elected. (NOTE: In some or all of the standing committees, one member may adequately constitute a committee or even several committees. One committee may have multiple functions, and members may serve on more than one committee.)
- b. The responsibilities of the standing committees will be as follows:

Technical Program Committee

Will provide a speaker and/or educational information for each meeting.

Utility Coordinating Group Committee

Will keep the general membership informed with respect to all codes, rules, and regulations pertaining to corrosion control. This committee will also be the Virginia Underground Corrosion Control Coordinating Committee representative to NACE International.

Directory Committee for Coal Mine and/or Electrical Railway Substation Location

Will record the location of coal mines or electric railway substations in the operating area of the Carolina Underground Corrosion Control Coordinating Committee and provide:

(For Mines)

- 1. Mine Name
- 2. Mine Owner
- 3. Township
- 4. County

(For Electric RR Substations)

- 1. Name of Railroad
- 2. Name or Location of Substation
- 3. Township or City
- 4. County

Personnel Directory Committee

Will maintain the membership list as well as addresses, phone numbers, e-mail addresses, and other contact information.

Underground Directory Committee

Will record the location of underground structures by county.

Rectifier and Bond Directory Committee

Will maintain the directory addition submitted for the closing of cases for rectifiers and bonds.

Working Procedures

1. Any member installing new, replacing or adding to an existing system, or substantially altering (increase or decrease of 10% or greater) corrosion control devices shall notify the directory committee in advance of his operation and arrange for cooperative tests.
2. All problems presented to the committee will be assigned a case number (which shall be YYYY-MM-DD) and maintained as a case as long as action on the problem warrants. Any member who finds a hazardous condition or damage apparently due to corrosion, and which jeopardizes the interest or property of any member of the organization, shall report such conditions at once to that member and also to the secretary/treasurer, who shall transmit such information to all members concerned.
3. Case numbers will be acted on or assigned as follows:
 - a. After the committee is assured that testing can begin before the next regularly scheduled meeting date.
 - b. After the member representative has submitted to the secretary the following information (See Appendix G for form):
 - (1) Location of rectifier or other DC source.
 - (2) Output of rectifier or current drain to other DC source.
 - (3) Type and location of anode bed.
 - (4) Names of other companies that may be affected.
 - (5) Type and length of structure affected.
 - c. Cases in which no action is reported for two consecutive meetings will become inactive.
 - d. A case can be closed when interference to affected structures is mitigated to the satisfaction of the involved parties and the secretary has received one copy of the completed directory addition form for that case. (Directory addition copies are to be supplied by the company whose rectifier is the subject of the case, or by the company who maintains the traction-type bond.)
4. Technical questions before the committee shall be decided by mutual agreement and not by vote.
5. The following test procedures will be adhered to:
 - a. If the tests will disrupt the electrical state or environment of another structure, the owner of that structure must be informed prior to testing.
 - b. Permanent ties to neighboring underground structures or penetration of any coating shall not be made unless written permission from the owning company has been granted.
 - c. Tests should be made to existing testing facilities wherever available, and probe bars will not be used to make contact to coated structures.
 - d. Temporary ties are meant to be in place only for testing purposes. This testing period should not exceed one month without approval of the companies involved.
 - e. Any company installing cathodic protection which may affect other underground structures at crossings should notify owners of those structures by phone, or by letter, and through minutes of the Committee. If no response is received from the notified company within 30 days, it shall be assumed that the company has been properly notified, but has no interest in the case.
6. It is the responsibility of all new members to immediately make their additions to the Personnel Directory and the Underground Structure Location Directory.
7. These bylaws may be amended at any general meeting of the committee by a two-thirds vote of those members present (one vote per member company, see Article VI, Sec. 5), provided the amendment and its content have been recorded in the minutes of the previous meeting.
8. Members performing interrupted close interval surveys (CIS) are to notify the membership of where and when the survey activities are taking place and for how long.