

MANUFACTURERS ASSOCIATION

P.O. Box 11187, 1215 Lady Street, Columbia, SC 29211 Phone: 803-252-5646

June 9, 1983

South African Drilling Association Post Office Box 5279 Boksburg North 1461 South Africia

Dear Sir:

We would like to take this opportunity to inform you that the Diamond Core Drill Manufacturers (DCDMA) has recently revised its by-laws and as a result it is now possible for qualified manufacturers from all countries to become voting members. Prior to this change these companies were admitted as associate members without voting rights.

This change was prompted by the expanding worldwide use and demand for standardized products used in the field of soils and mineral exploration drilling.

The DCDMA was organized in 1929 and has gained worldwide recognition as the leader in establishing standards for exploration tools. It has recently been estimated that over 65% of all the drilling out in the world is done using DCDMA products or to specifications covered in DCDMA standards.

It is also important to note that the Swedish standards for thin wall or metric tools will now become part of the DCDMA standards which will result in an even larger percentage of coverage for these standards.

DCDMA feels strongly that standards should reflect the state of the art and provide the end user with an assurance that when he purchases a product produced to a standard it will be made to an exacting specification.

To further insure that this is achieved the DCDMA is embarking on a program of gaging that is similar to that used to successfully by API. It is also engaged in a program of advancing its line of tapered thread rods plus other important programs.

South African Drilling Association June 9, 1983 page 2

We would like to extend an invitation to your association to send a representative, or to any manufacturer who may wish to learn more about our activities, to join us at our Fall Meeting to be held in Minneapolis, Minnesota, October 19, 20 and 21, 1983.

During this meeting we will present a comprehensive overview of our association, its goals and objectives, including plans for our second exhibition and trade show to be held early in 1984.

As an association formed of persons associated with drilling we feel that you have a sincere interest in the future of our industry and that we all benefit by an exchange of ideas on how best to carry on our efforts.

We will be sending you additional information about this meeting but we hope you will mark your calendar now and plan to attend. I look forward to meeting you.

Please note that the association has moved and now has a new address as well as a new Secretary-Treasurer.

Sincerely

J. Edger Eubanks Secretary-Treasurer

JEE/dag



MANUFACTURERS ASSOCIATION

P.O. Box 11187, 3008 Millwood Avenue, Columbia, SC 29211 Phone: 803-252-5646

April 10, 1987

Mr. M.B. Snaddon President South African Drilling Association 11223 Selcourt 1567 SOUTH AFRICA

Dear Mr. Snaddon:

Thank you for your letter about reciprocal membership in the DCDMA.

Our constitution and By-Laws would not now permit this. Individual companies must be members since there is no provision for an association to be a member. This stand is solidified with the introduction of the DCDMA Gages which will be available soon. To distribute these through an association other than DCDMA would create an uncontrollable situation.

However, we would welcome affiliation through the National Drilling Federation. Perhaps, with the formation of your new Federation, this gives us new avenues through which we may work together.

I will present your letter to the DCDMA at our next meeting for our members' consideration and will let you know their reaction.

Sincerely,

J. Edgar Eubanks Secretary/Treasurer

JEE/srb

SOUTH AFRICAN DRILLING ASSOCIATION



(011) 818-2361 PRESIDENT M.B. SNADDON

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11223 SELCOURT 1567

J.E. Eubanks, Esq.,
Secretary/Treasurer,
Diamond Core Drill Manufacturers
Association,
P.O. Box 111 87,
3008 Milwood Avenue,
COLUMBIA. .. 29211.

11 March 1987.

Dear Mr. Eubanks.

We very much appreciate your forwarding the DCDMA application for membership forms etc.

You may not be aware of the status and functions of the South African Drilling Association and I have therefore taken the opportunity of photocopying our constitution for enclosure herewith.

When I raised the issue of DCDMA membership for SADA initially with Wally Svendsen of Longyear, he seemed to indicate that it was the desire of the DCDMA to expand international participation in the establishment and maintenance of standards, and that countries such as Sweden and Canada are already, or about to, indicate their agreement therewith. However, looking at the application form, and the brochure of the DCDMA it appeared that foreign membership only relates to companies and not other foreign associations. Would it not be the intention of the DCDMA to have reciprocity with other associations internationally to achieve the objectives so succinctly expressed in Wally's memorandum to me, which it appears he copied to you?

I look forward to your advice in this regard.

I should also mention that in 1986 we formed the Drilling Federation of S.A., a copy of whose constitution is also enclosed herewith and the objectives of the association is to weld together, in probably the same way as your own USA Federation, the various interest and disciplines within the greater activity area of the drilling industry.

At present there are two members of the association, namely the South African Drilling Association and the Borehole Water Association of S.A., but there are moves afoot to broaden this by the inclusion of other related associations or those in the process of being formed.

We would be very interested in some form of reciprocal co-operation between the various associations and federations and look forward to your thoughts thereon.

Kind regards,

Yours sincerely,

THE SOUTH AFRICAN DRILLING ASSOCIATION.

M.B. SNADDON. PRESIDENT.

c.c. - W. Svendsen. P. Rand - SADA

/ses-763/GAS 12 Encl.



National Drilling Association 3008 Millwood Avenue Columbia, SC 29205 800-445-8629 Fax 803-765-0860

PRESIDENT John R. Sedlock The H.C. Nutting Company 912 Morris St. Charleston, WV 25301 (304) 344-0821 Fax (304) 342-4711

VICE PRESIDENT Marilou Bonetti Soil Exploration Corporation 148 Pioneer Drive Leominster, MA 01453 (508) 840-0391 Fax (508) 537-9918

SECRETARY/TREASURER
Paul D. McAdams
Alliance Environmental
4097 Crest Manor Drive
Hamilton, OH 45011
(513) 829-3433
Fax (513) 829-3404

PAST PRESIDENT
G. Michael Tiani
Terra Testing, Incorporated
260 Meadowlands Boulevard
Washington, PA 15301
(412) 746-9100
Fax (412) 746-1497

EXECUTIVE DIRECTOR MaryAnn Eubanks 3008 Millwood Ave. Columbia, SC 29205 (800) 445-8629 Fax (803) 765-0860

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November 20, 1995

Mr. Richard Niels Canadian Drilling Association 306-222 McIntyre Street West North Bay, ON PIB 2Y8

Dear Richard:

The National Drilling Association board met recently in Minneapolis. At the meeting, they discussed your letter of August I regarding the liaison between the CDA and the NDA. While they agree that continued liaison between the two associations is very important, they decided not to go along with dues reciprocity. However, if any CDA member would like to pay the NDA dues, they would certainly be welcomed as a member. Exchange of information between similar committees would certainly be in order.

We look forward to continued communication between the NDA and the CDA. We wish you the very best and look forward to working with you in the future.

Sincerely.

MaryAnn Eubanks Executive Director



National Drilling Association 3008 Millwood Avenue Columbia, SC 29205 800-445-8629 Fax 803-765-0860

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EXECUTIVE DIRECTOR MaryAnn Eubanks 3008 Millwood Ave. Columbia, SC 29205 (800) 445-8629 Fax (803) 765-0860

> Standards Accepted Worldwide Since 1929



November 20, 1995

Mr. Graeme Wakeling
Executive Officer
Australian Drilling Industry Association Limited
PO Box 269
Mentone Victoria 3194 Australia

Dear Mr. Wakeling:

We were very glad to receive your letter. Your association is similar to the NDA in many ways. The National Drilling Association is a newly merged association of the National Drilling Contractors Association, the Drilling Equipment Manufacturers Association and the International Drilling Federation. Our main thrust is to promote the common business interest of all parties engaged in sub-surface exploration. The industry represented by the Association shall include those involved in the manufacturing, sale, and use of drilling rigs and equipment and others whose activities share the common business interest of the industry.

We publish a bi-monthly newsletter called "Chapter Chatter" and a bi-annual magazine, "Drill Bits". We have two conference call Board meetings, two additional Board meetings which includes all committees, and one annual meeting with educational sessions.

We agree that there are a number of common grounds where our two associations could have a close liaison and exchange ideas. We will be happy to add you to our list to receive our publications. We would be most anxious to hear other ideas from you as to how we could exchange ideas.

We look forward to hearing from and working with you in the future.

Sincerely,

MaryAnn Eubanks Executive Director

Dedicated to education, development, and promotion of the subsurface exploration industry.



601 Dempsey Rd. Westerville, OH 43081-8978 U.S.A.

(800) 551-7379, (614) 898-7791 Fax (614) 898-7786 E-mail: ngwa@ngwa.org

WWW: http://www.ngwa.org http://www.wellowner.org

NGWA MISSION

The mission of the National Ground Water Association is to enhance the skills and credibility of all ground water professionals, develop and exchange industry knowledge and promote the ground water industry and understanding of ground water resources.

December 9, 1999

Aimee Hiers NDA 3008 Millwood Ave Columbia, SC 29205

Dear Aimee:

We would like to offer an exchange of advertising in our new tabloid publication (rate card enclosed), Drilling Marketplace, for a booth at your October 5-8, 2000 meeting.

Please review our information and advise us of your booth rates so we can discuss a trade.

Sincerely;

Anita B. Stanley Editor/Publisher

ABS/mb

-\$500 Value - what we monthly cost for
-doublines about the
5th of months



February 11, 2000

Ms. Mary Ann Crews
Executive Director
Chapter Chatter
National Drilling Association

Dear Ms. Crews:

We will present an Offshore Drilling Technologies conference, on June 26 &27th in Houston, Texas. This conference will be an excellent opportunity to reach the senior level decision-makers that are responsible for keeping abreast of the latest developments made within offshore drilling. This is an important and timely event, and one that certainly will be well attended.

This conference will attract a highly influential audience involved with various aspects of the offshore drilling industry including ultra-deepwater drilling technologies, environmental concerns, horizontal and directional drilling. Delegates will include Drilling Contractors, Well Control Managers, Development Managers, Production Engineers and Managers, R&D Managers, Project Managers, Exploration Managers, Operations Managers, Drilling Engineers and Managers.

Delegates — who will pay \$1,295 or more to attend — will be predisposed to learn about the values your organization offers. We'd like to invite you to be a **Supporting Organization** for this event. Joining us as a strategic marketing partner will provide you with the opportunity to present your organization to this high ticket, highly targeted, direct mail responsive audience.

As a Supporting Organization, you will gain:

- High-level access to potential members and prospects through our direct mail campaign, onsite, and more
- High profile, on-site exposure for your organization in a great setting for establishing new, or enhancing existing, relationships
- Positioning for your organization as a provider of a value-added service to your members
- Significant exposure at no charge

Your support of this event entitles you to the following benefits:

- Your organization's logo will be featured in the conference brochure and on all other promotional materials for the event, giving your organization significant exposure.
- 2. Your publications and promotional literature will be displayed at the conference for distribution to delegates and speakers.
- 3. Your organization will be listed in the documentation binder provided to all delegates.
- 4. You will receive the list of delegates attending the conference for one-time promotional use.
- 5. You will receive a complimentary ticket to the event (an \$1,295 value!).
- 333 Seventh Avenue, 9th Floor, New York, NY 10001-5004 (212) 967-0095 (212) 967-7973



To: Ms. Mary Ann Crews

Page 2 of 2

6. You may also take advantage of a reciprocal Web link.

In return, we ask for your assistance in marketing the conference. These promotional activities may include providing a targeted mailing list of your members and associate members, inserting our brochures into an upcoming mailing, calendar of events listings, and/or providing advertising space in your publication. When we speak, we can determine the options that are most appropriate and convenient for you.

As a Supporting Organization for the Offshore Drillings Technologies, you will have an excellent opportunity to pursue your marketing goals. Very few events can give you access to such a high-caliber audience and speakers while providing so much exposure for your publication over a period of months prior to, during, and after the conference.

Thank you in advance for your consideration. I will contact you soon to discuss this further. If you have any immediate questions, you may reach me by phone at 212-967-0095 Ext. 238, by fax at 212-967-7973/74, or by email at nharris@srinstitute.com. I look forward to speaking with you about this opportunity in more detail soon.

Sincerely,

Nadine Harris

(Total number of pages sent including this one: 2)





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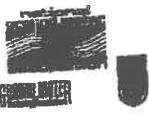
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Fax:	404-363-4839		Pages:		(including this page)
Company:	Southern Companies		Date:	04/11/01	
To:	Alan Garrand		Front:	Bill Crimmins	

Alan, I will fax this directly to the NGWA if it meets with your approval. Please find the attached Workshop Submission Form.

Thanksi

WFC

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2001 Ground Water Exposition
formed NGWA National Convention and Exposition
Decamber 7 - 9, 2001
Nankville, Tennessee
Workshop Submission Form

Submission Denillan : April 38, 2001

We strive to present the very best educational experience possible for everyone involved to the ground water industry. For this reason, we ask for your assistance in accurately describing potential convention workshop afferings. Workshops will be chasen by a selection committee. All Workshops must be presented on a nan-commercial basis. Please provide us with the following information and return via mail or fat.

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Please small this form to: NGWA; 601 Dempsey Road; Westerville, OE 43081;
Attn: Kathy Surehen; or fan to 614/899 7794.

TOTAL P. 64

Business owners and employees each have a stake in managing the risk of their company. Failure to understand and proactively address the impact safety can have on an organization can lead to increased operating costs, the loss of business opportunities, and other inefficiencies, not to mention the pain and suffering from employee injuries. As safety becomes more of an issue dealing with the efficiency and quality of an organization rather than a regulatory matter, profitable organizations have begun to see the impact of safety on their company. Those organizations that fall to address these issues are more likely to have reduced profits, be less competitive, and incur indirect costs leading to the further decline of their operation. Learn how the implementation of risk management principles can impact your company's bottom line.

William Crimmins / Loss Control Manager Loss Control

Mr. Crimmins joined Mack and Parker in 1996 after working in the Loss Control field for ten years. He graduated from Illinois State University with a B.S. in Industrial Technology and Occupational Safety.

Mr. Crimmins currently provides loss control services for many nationally recognized corporations and trade associations. With groups such as these Mr. Crimmins identifies areas of focus for loss control, and develops and implements programs to assist and educate in loss prevention. Bill has implemented numerous safety programs, loss investigations and training programs. He has reviewed and surveyed various property and casualty exposures and developed new risk evaluation techniques and databases. This broad background allows him to use these experiences in implementing the desired change.

Bill is a Certified Safety Professional recognized by the Board of Certified Safety Professionals. He is currently pursuing associate degrees in Loss Control Management and Risk Management at the Insurance Institute of America.

Bill currently resides in New Lenox with his wife and two children.

```
From: ragarrar@southernco.com (Garrard, R. Alan)
 To: paddyobie@aol.com ('O'Brien, Pat')
 FYI,
 Alan
 > ----- Original Message-----
 > From: Crimmins, William [SMTP:w crimmins@mackparker.com]
 > Sent: Wednesday, April 19, 2000 3:56 PM
 > To:
          'Garrard, R. Alan'
               RE: NGWA 2000 Annual Convention
> Subject:
> This is ok with me. I know I owe them an article for thier magazine as
> well. I appologize for not getting out sooner. My draft has a few holes
> in it, sort of needing a method of tying some of the subjects together so
> it flows well. Anyway, I will continue working at it. Thanks...
> ----- Original Message-----
> From: Garrard, R. Alan [mailto:ragarrar@southernco.com]
> Sent: Wednesday, April 19, 2000 2:41 PM
> To:
          'Crimmins William (Bill)'
> Cc:
          'Dolezal, Eric'; 'Lange, Jim'; 'O'Brien, Pat'
> Subject:
              NGWA 2000 Annual Convention
> Bill:
> Kathy Butcher, with the NGWA, has contacted me and asked if we could
> conduct a w orkshop at their annual convention. This year it will be held
> in Las Vegas. She suggested that we repeat the program you presented last
> year in Nashville based on the response they received. She also said that
> they will alternate between Nashville and Las Vegas, so next year, 2001, a
> new workshop could be offered in Nashville and repeated in Las Vegas in
> 2002. The date for our workshop will be December 13, 2000. She will
> furnish the time as soon as the details are confirmed.
> I have told Kathy that the NDA/NDAIC would be honored to participate. I
> need to know if this is acceptable with you so I can help her finalize
> plans.
              Thanks
                   Alan Garrard
                   President
                   National Drilling Association
```

FW: NGWA 2000 Annual Convention

4/19/00 4:05:05 PM Eastern Daylight Time

------ Headers ------

Return-Path: <ragarrar@southernco.com>

Received: from rly-zc03.mx.aol.com (rly-zc03.mail.aol.com [172.31.33.3]) by air-zc03.mail.aol.com (v70.20) with ESMTP;

Wed, 19 Apr 2000 16:05:05 -0400

Received: from alxapex03.southernco.com (socp-b.scsnet.com [146.126.51.51]) by rly-zc03.mx.aol.com (v71.10) with

ESMTP; Wed, 19 Apr 2000 16:04:43 -0400

Received: by alxapex03.southernco.com with Internet Mail Service (5.5.2448.0)

id <2YCLT6R5>; Wed, 19 Apr 2000 15:04:42 -0500

Message-ID: <8FF192E52F6DD211B11D006008CF3EE4024A3AA9@gaxgpex19.southemco.com>

From: "Garrard, R. Alan" <ragarrar@southernco.com>

To: "'O'Brien, Pat" <paddyobie@aol.com> Subject: FW: NGWA 2000 Annual Convention Date: Wed, 19 Apr 2000 15:04:39 -0500

MIME-Version: 1.0

Subi:

Date:

X-Mailer: Internet Mail Service (5.5.2448.0)

Content-Type: text/plain

Subi: NGWA 2000 Annual Convention

Date: 4/19/00 3:41:08 PM Eastern Daylight Time From: ragarrar@southemco.com (Garrard, R. Alan)

To: william_crimmins@mack-parker.com ('Crimmins William (Bill)')

CC: edolezal@mackparker.com ('Dolezal, Eric'), ddi@csinet.net ('Lange, Jim'), paddyobie@aol.com ('O'Brien, Pat')

Bill:

Kathy Butcher, with the NGWA, has contacted me and asked if wie could conduct a workshop at their annual convention. This year it will be held in Las Vegas. She suggested that wie repeat the program you presented last year in Nashville based on the response they received. She also said that they will alternate betwien Nashville and Las Vegas, so next year, 2001, a new workshop could be offered in Nashville and repeated in Las Vegas in 2002. The date for our workshop will be December 13, 2000. She will furnish the time as soon as the details are confirmed.

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Thanks,

Alan Garrard President National Drilling Association

-- Headers -

Return-Path: <ragarrar@southemco.com>

Received: from rly-zb04.mx.aol.com (rly-zb04.mail.aol.com [172.31.41.4]) by air-zb05.mail.aol.com (v70.20) with ESMTP;

Wed, 19 Apr 2000 15:41:08 -0400

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ESMTP; Wed, 19 Apr 2000 15:40:53 -0400

Received: by alxapex03.southernco.com with Internet Mail Service (5.5.2448.0)

id <2YCLT5YG>; Wed, 19 Apr 2000 14:40:48 -0500

Message-ID: <8FF192E52F6DD211B11D006008CF3EE4024A3AA8@gaxgpex19.southemco.com>

From: "Garrard, R. Alan" <ragarrar@southernco.com>

To: "Crimmins William (Bill)" <william_crimmins@mack-parker.com>

Cc: "'Dolezal, Eric" <edolezal@mackparker.com>...

"Lange, Jim"

<ddi@csinet.net>,

"'O'Brien, Pat" <paddyobie@aol.com>

Subject: NGWA 2000 Annual Convention Date: Wed, 19 Apr 2000 14:40:47 -0500

MIME-Version: 1.0

X-Mailer: Internet Mail Service (5.5.2448.0)

Content-Type: text/plain

Subj: Wisconsin Waterwell Assoc.

Date: 4/20/00 12:52:18 PM Eastern Daylight Time

From: Paddyobie

To: R.A.Garrard@scsnet.com

Alan:

I don't like to dump things on you but at this point in my limited know ledge of NDA activities it might be advisable for you to make this return call that Erica took this afternoon. Greg Anderson, Environmental & Foundation, called concerning the Wisconsin Waterwell Assoc. Evidently 1 council position is usually filled by an NDA member, but is not currently filled. Greg wants to know if we want to fill this position with an NDA member or drop the position? Can you help? His phone is 608-849-9896. Thanks.

Best regards,

Pat

Patrick O'Brien, Executive Director National Drilling Association 6089 Frantz Road, Suite 101 Dublin, OH 43017

Tel: 614-798-8080 Fax: 614-798-2255

e-mail: paddyobie@aol.com

www.nda4u.com

4-21-00 GREG

- · ALAN HADN'T CALLED BACK
- · VACANT SINCE 13

TUST WANT OFFICIAL ANSIDE

5-24-00 ALAN

- 5-24-00 GEEG 608-949-9996
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Environmental & Foundation Drilling, Inc.

4-74-00

217 Resmisch Road Waunaloss, Wi 53697 (608) 649-9896 Toll Free (800) 626-0981 Fex (608) 849-5894

10: Man Garrand

The: Appointment of a member of NDA to the wis Advisory Council on well Drilling & Purp installation.

Alan: Please find the minutes of the 5am. 18 meety, agende of the Apirl 13th meety, Membership lost.

> Thuk you Gregory D. Anderson

Wisconsin Advisory Council on Well Drilling and Pump Installing Membership List 2000 April 11, 2000

DNR Appointed Members Drillers

Duane Frauenkron - second term expires 12/31/00 Bud Mantyla - first term expires 12/31/00 chg to 12/31/01

Installers

Mal Richert - fast term expires 12/31/99 - Reappoint? Bill Hanser - second term expires 12/31/00

WWWA Members

Drillers

Trany Macchail - second term expires 12/31/99 - Vacant? Larry Slager - first term expires 12/31/00 Rick Brehmer - first term expires 12/31/00 chg to 12/31/01

Bill Maas first term expires 12/31/00 chg to 12/31/01

Mike Bedcholtz - first term expires 12/31/00 Guegon D. Anderson, Pon Thelocken

WGNHS Member

Ron Honnings - third (renewable) term expires 12/31/00 chg to 12/31/01

National Drilling Contractors Association Member o manufer or the Corne Robert Prucher - first full term expired (2/31/98

Wisconsin Pump and Well Suppliers Members

Tom McDermott, Fr. - second full term expires 12/31/00 the to 12/31/01 Ken Meinel - first full tenn expires 12/31/99- Reappoint?

FROM GEOTECHNICAL FIELD SER. APR-24-2000 -07:50 DINK Advisory Council on Well Drilling & Pump Installing

April 13, 2000

DNR Wisconsin Rapids Service Center Office 473 Griffith Ave

Wisconsin Rapids, WI 54494

Time

Topic

10:00 AM

Call to Order

Approval of the Minutes From January 18th Meeting

Council Chairman's Introduction

Tom McDermott, Jr., Chair

Group

Programs - Priority Topics

10:15 AM

I. Continuing Education-

A. Review of 2000 Program

B. Suggestions for 2001 Continuing Education

II. Private Water Section Priorities/Budget/Resources

Α. Pending biennial budget

Private Water Section initiatives eg. chronic unsafe wells B.

Advisory Council recommendations on resource allocation C.

10:45 AM

Informational - Priority Topics

Arsenic Problem Update (Het Issue + High Priority Informational)

DNR Update on Study Groups

B. Communication Plans

C. Posaible remedies or solutious

> well construction í.

ii. Water treatment

IL Grounding to Well Casing

> How important of an isma? A.

B. Public education effort required?

C. 2001 Continuing Education Topic

11:15 AM

Report from the DNR

I. Update on Council Membership Bill Rock, DNR

Tom Riewe, DNR

II. Explanation of Hi-Capacity Well Issue

Ш. DNR Employment of Experienced, Licensed Driller or Installer

Old Business

DNR response to Advisory Council Recommendations

A. Grouting code change

В. Granular bentonite code change

Ç, State Lab of Hygiene, private lab study of e-coli unsafes

Water treatment equipment installation by DNR licensees D.

E. Brochure and press release update

12:30 PM

II. Review of 1999 Priority Listing (revision 3-23-99)

Group

New Husiness

1:00 PM

Motion to Adjourn

3,000-4,000 wells with greater than 50 ppb in arsenic wells in northeastern Wisconsin. If the standard is dropped to 5 ppb, this will become a statewide Arsenic problem and 30,000-40,000 wells will be affected. Bill Rock encouraged everyone to come to the DNR April meeting with their suggestions of priorities for the private water program. Whether they are arsenic, e-coli, chronic unsafes, grouting, etc. In the context for the next biennium, some of these issues will influence what is done in July.

Tom McDermott requested a list of studies (research proposals).

WATER TREATMENT

This issue relates to how pump installers can be authorized to work on water treatment devices. Pump installers do work up to and including the pressure tank. Plumbers authority extends back to the pitless adapter. An individual in attendance requested that a statutory change be made to allow pump installers to work on water treatment devices.

There is a Memo of Understanding between DNR and DOC. An agreement about responsibilities of DNR and DOC to work on yard hydrants with regard to discharge lines and tanks. The Connecil should push to allow pump installers to install water treatment also.

MPRA - Master Plumber Restricted Appliance can work on water treatment and water beaters

MP - Master Phymber can work on anything.

The Advisory Council made a recommendation to DNR to see if there is a way for pump installers to legally install water treatment devices without a MPRA or MP license. Ken -1^{st} . Mal -2^{st} .

OLD BUSINESS

GROUTING

At the October meeting the Advisory Council made a recommendation to the DNR to prohibit the use of drilling mud and cuttings as an annular space seal as a specific change to the code. More discussion was raised on the issue. Tom McDermott sent out a paper vote for the above recommendation along with the January agenda and the October minutes so that all council members could vote before this recommendation was finalized. Tom read Terry Marshall's vote as "In favor" of a prohibition. Terry commented that he has drilled with "all of the above", but that neat cement should be used.

Mal sent his vote indicating also, "In favor". He indicated this prohibition should have been done a long time ago.

Dave Haupt sent his comment. He voted in the middle.

Bill Hanser voted "In favor" sort of. He stressed the 18-24 months delay, with possible extension of the delay.

Tom McDermott indicated that there was not a majority vote anymore.

Ken made a motion to reconsider the recommendation that was adopted at the last meeting. Mike B. seconded. Unanimously voted yes.

Mike Berkholtz made a motion to remove the second sentence, which reads "Additionally, we recommend the code should be changed to require granular bentomite to be used on all wells where the casing is driven." Bill $H_1 = 2^{ad}$. Unanimously voted to pull 2^{ad} sentence.

Mike Berkholtz made a motion that the new recommendation should read: "The Advisory Council recommends the DNR prohibit the use of drilling mud and cuttings as an annular space scal as a specific change to the code. We recommend the Department develop an implementation plan to go forward with changes to prohibit the use of drilling mud and cuttings slurry as a grout. The prohibition should be phased in over an 15 to 24-month period. $Mal-2^{36}$.

There was much discussion on the grouting issue. Larry Slager indicated enforcement was the key. Enforcement or education! If everybody grouts, that's fine. We'll have people cheat, but better is better. Good products make it better.

Each individual gave vote on the new recommendation:

Bill Hanser - No
Rick Brehmer - Yes
Ken Meinel - Yes
Mal Richert - Yes
Larry Slager - No
Mike Berkholtz - Yes
Tom McDermott - Yes

Recommendation to DNR was passed. If it doesn't work, modifications can be made.

The 2nd sentence of the recommendation "We recommend the code should be changed to require granular bentoning to be used on all wells where the casing is driven", was then discussed. Bill H. indicated that he didn't think this rule should apply to driven point wells. Mal made a motion to the recommendation, adding "with exception of driven point wells". Mike B. – 2nd.

There was some discussion regarding the use of threaded and coupled pipe and whether or not the annulus would seal with granular beatonite going down along the side of the

casing. Also, if you abandon a driven point well, will the well cave when the point is pulled after the use of granular bentonite?

Each individual member did vote on the new recommendation, to require granular bentonite:

Bill Hanser - No
Rick Brehmer - Yes
Ken Meinel - Yes
Mal Richert - Yes
Larry Slager - Yes
Mike Berkholtz - Yes
Tom McDermott - Yes

The recommendation to DNR was passed to read: The Advisory Council recommends that the code should be changed to require granular bentenite to be used on all wells where the casing is driven with exception of driven point wells.

DMR should take action on this recommendation with a short code change. Tom R. indicated that he wanted to add rotary air methods to the agenda as a topic of code change also.

BROCHURES & PRESS RELEASES, ETC.

A press release regarding testing wells to protect your health has been sent. The Advisory Council requested a copy of any press releases, issued in the future.

Bill R. indicated that he has Dorie working on these types of requests. We will work with the Council on these items.

Well Abandonment Brochures We have info available. They are available at Continuing Education, Farm Progress Days, etc.

Nixate Brochure - Already published

There was interest in creating a private well ownership brochure, containing a listing of the rights of individuals to own wells, access water beneath their property, and to use the water for drinking and plumbing purposes. These rights are not clearly established in the statute. Bill R. wants this, but doesn't know if it can happen.

ARSENIC UPDATE

Nothing much has changed since the December 20, 1999 meeting. A DNR press release will be done on Arsenic. Liz Heinen will talk about Arsenic at CE and at the Groundwater Conference.

There's talk about the EPA lowering the Arsenic drinking water standard. EPA will release the proposed new standard in April. A change in standard may not occur this year or next. It is estimated there will be 30,000 to 40,000 private wells in Wisconsin that

could exceed the standard if it is lowered to 5 ppb. Well construction solutions were discussed. One was to require wells to be constructed with 80 feet of casing below the base of the Platteville Dolomite.

TO

Treatment devices were discussed to help alleviate this problem.

O-BAY

Bill R. talked on how e-Bay works. He indicated that this might improve performance of contractors drilling wells and installing pumps. The e-Bay software program model lets customers make comments "on-line" regarding a buyer and seller. It's an auction sits on the internet that indicates buyers and sellers and whether they are trustworthy or not. The age old story — instead of enforcement, how about a good reputation?

Tom M. indicated this works like an industry trade group, but on-line. If you were an active participant in the industry, you would want to be on the program.

NEW MEMBERS

Bill R. indicated that there are some by-laws of council membership. He indicated there is a procedure for determining membership. These has to be a recommendation to the Bureau and then Secretary Meyer okays.

Topics for next meeting include: Review of CE; chronic unsafe wells; het issues, like water treatment and Aresnic. The location and date of the next Advisory Council meeting was set for Thursday, April 13, 2000 beginning at 10:00 a.m. til 1:00 p.m. in the Wisconsin Rapids new DNR office.

A motion to adjourn the meeting was made by Larry. Mal - 2nd. The meeting was adjourned.

Present at the Meeting:

Tom McDermott, Jr.

Sandra Herahberger

Richard Brehmer

Larry Slager

Bill Hanser

Mal Richard

Mike Berkholtz

Kee Meinel

Thomas Ricere

Bill Rock

Dannis Crow

Ed Humoon

Butch Eucker

John Robinson

Frank Boersama

Mike Furetenburg

Ken Meyers

No.1311 P. 1/1 Fax- 614-798-2255

To: Pat O'Brien

May 24, 2000

Mr. Gregory D. Anderson
Environmental and Foundation Drilling, Inc.
217 Reemisch Rd.
Waunakee, WI 53597

Subject: Membership - Advisory Council on Well Drilling and Pump installing to the Wisconsin Department of National Resources:

Dear Mr. Anderson:

We at the National Drilling Association (NDA) understand that a position on the Advisory Council has gone vacant for a number of years. The NDA would like to accept your offer to fill this position on the Council. Please keep us informed as to any issues that will affect the NDA membership.

Sincerely,

National Drilling Association

Change as you see



May 28, 2000

Gregory D. Anderson Environmental & Foundation Drilling, Inc. 217 Raemisch Road Waunakee, WI 53597

Subject:

Membership Advisory Council on Well Water Drilling and Pump Installing to the Wisconsin Department of Natural Resources

Dear Mr. Anderson:

The Board of the National Drilling Association (NDA) understands that a position on the Advisory Council has gone vacant for a number of years. NDA would like to accept your offer to fill this position on the Council. Please keep us informed on any issues that will affect NDA members.

Best regards,

Patrick O'Brien
Executive Director

Cc: Alan Garrard, President

6089 Frantz Road

Suite 101

Bublin, OH 43017

614.798.8080

fax 614.798.2255

www.nda4u.com



October 24, 2000

Ferdinand Stölben BDBohr e.V. Postfach 60 56861 Reil/Mosel GERMANY

Dear Mr. Stölben:

Thank you for your letter and interest in future cooperation between NDA and BDBohr. The National Drilling Association is a nonprofit trade association of contractors, manufacturers and affiliated members from the drilling industry representing the geotechnical, environmental and mineral exploration sectors of this industry. The mission of NDA is to promote the use of professional drilling contractors and their methods. NDA has more than 260 international member companies.

I believe that there is mutual benefit to closer cooperation between our associations. It might be of interest to you to know that I also manage Concrete Sawing and Drilling Association and have a close working relationship with Horst Wapler at Fachverband Betonbohren und-Sägen, Kastanienalle 11, 51427 Bergisch Gladbach, Tel: 0 22 04 67332. We have also established an International Association of Concrete Drillers and Sawers based in Switzerland. IACDS is an umbrella organization of country sawing and drilling associations from around the world.

Since your association has just been formed earlier this year, let me offer my congratulations. My company has just assumed the association management duties for NDA mid-year, so this side of the business is somewhat new to us as well. However, I believe that cooperation can benefit both of us and welcome the opportunity to work with BDBhor. I will be at Bauma in April 2001 and wonder if BDBohr will be there as well. If so this might be a good opportunity to meet and discuss areas of cooperation.

In the meantime, I am enclosing some of the materials we have including our magazine Drill Bits. Please contact me by phone at 614-798-8080 or e-mail at pat@nda4u.com if I can be of any assistance.

Best regards,

Patrick O'Brien, Executive Director

Suite 101

6089 Frantz Road

Dublin, 0H 43017

614.798.8080

Fax 614.798.2255

Cc: Alan Garrard, NDA President

www.nda4w.com

Bundesverband der Deutschen Bohrunternehmen in der Baugrund-, Grundwasser- und Lagerstättenerkundung e. V.

BDBohr e. V. · Postfach 60 · 56861 Reil/Mosel

National Drilling Association Headquarters 6089 Frantz Road, Suite 101 Dublin, OH 43017

USA

Ihr Zeichen: Ihre Nachricht vom: Unser Zeichen: stö Unsere Nachricht vom:

Telefon: (0 65 42) 93 66-0 Telefax: (0 65 42) 93 66-99 E-Mail: bdbohr@gmx.de

Datum: 2000-10-02

Exchange of information and potential cooperation

Dear Sir,

browsing the internet we found your web page. BDBohr (German Association of Drilling Companies for Investigation of Construction Sites, Groundwater and Mineral Resources) was founded in January 2000. Its aims and tasks are very comperable to BDA.

We are very interested in exchanging information and in a potential cooperation. The information of your homepage corresponds very likely with our motivation to found our association.

Moreover, BDBohr funds the new Technical Committee on "Geotechnical Investigation and Testing" of the European Committee of Standardization (CEN). For further information please contact Dr. V. Eitner, Secretariat of CEN/TC "Geotechnical Investigation and Testing", DIN Deutsches Institut für Normung e.V., 10772 Berlin, Germany (volker.eitner@din.de).

We are looking forward to hear from you.

Yours sincerely

Ferdinand Stölben