Since 1994, the “Carbosperse™ K-700 Water Treatment Polymer News” has provided timely information to Lubrizol’s water treatment chemical (WTC) customers. You may view this newsletter and several previous issues using this link.

New Technical Papers and Reference Book Chapters Available

- Lubrizol presented *Deposit Control Polymer Selection Criteria for High Temperature Applications* at AWT’s 2014 Annual Convention in Fort Worth, TX. This paper examined the effects of thermal stress on several deposit control polymers (DCPs) including polyacrylates, polymethacrylates, polymaleic acid, acrylic acid/sulfonic acid (AA/SA) copolymers and terpolymers. DCP composition, molecular weight, and acid number were characterized and dispersant (iron oxide & hydroxyapatite) performance evaluated before and after thermal stress. Lubrizol’s paper provides industrial water technologists guidance for designing high temperature water treatment programs where DCP thermal stability and/or performance retention is a critical criterion.

- Lubrizol’s contributions (Reproduced with Permission from CRC Press/Taylor & Francis Group, a division of Informa) to two water treatment reference books edited by Lubrizol’s Dr. Zahid Amjad are available for viewing at www.carbosperse.com using the links below:

  - The Science and Technology of Industrial Water Treatment
    - Scale and Deposit Control Polymers for Industrial Water Treatment Applications
    - Analytical Techniques for Identifying Mineral Scales and Deposits
    - Deposit Control Polymers: Types, Characterization, and Applications

  - Mineral Scales in Biological and Industrial Systems
    - Solution Chemistry Impact on Silica Polymerization by Inhibitors
    - Microscopy and X-Ray Based Analytical Techniques for Identifying Mineral Scales and Deposits

* Electronic copies of this and many other technical articles and papers may be viewed here.

Water Treatment Business Team Additions

**Dr. Libardo Perez** joined Lubrizol as a Research Scientist for water treatment applications in Jan-2014. Dr. Perez has over 25 years of scale and corrosion control experience in application areas including cooling water, oilfield exploration & production, and mining. Libardo holds Ph.D. degree in Physical Chemistry from the State University of New York at Buffalo. Dr. Perez is based at Lubrizol Energy & Water applications laboratory in Houston, TX.

**Gregory Garwood** became Lubrizol’s Product Manager – Water Treatment Chemicals in Apr-2014 based in Cleveland, OH. Greg brings 15 years of technical and commercial experience to the role, including assignments in accounting/finance, field technical support, product development and product management. Prior to joining the WTC team, Mr. Garwood worked in Lubrizol’s Fuel Additives business as a Product Manager. Greg holds a B.S. degree in Business Administration and Spanish from John Carroll University.
Acquisition News

On 1-Dec-2014, Lubrizol announced the signing of an agreement to acquire Weatherford’s oilfield chemicals business and its drilling fluid business (see Lubrizol to Acquire Weatherford Businesses).

**** Seasons Greetings and Best Wishes for the New Year! ****

Please contact your local Lubrizol sales representative or office with any questions or comments. You can obtain the name of your Lubrizol sales and technical service team for Carbosperse K-700 polymers by contacting Lubrizol’s regional office (see below) for your location.

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<td><strong>U.S.A. West Coast Sales Agent</strong>&lt;br&gt;Creative Performance Chemicals, Inc.</td>
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