

NORIT INTRODUCES NEW ACTIVATED CARBON FOR MERCURY REMOVAL *DARCO[®] Hg-LH EXTRA*

*Improved Mercury-Removal Performance in Challenging Flue Gas Applications
Using Up To 20% Less Activated Carbon*

Marshall, Texas, October 24, 2011 – Norit today introduced DARCO[®] Hg-LH EXTRA¹, a new activated carbon that advances mercury removal performance in challenging flue gas applications while using less activated carbon. DARCO[®] Hg-LH EXTRA is the newest product in Norit's DARCO Hg family, and complements Norit's DARCO Hg-LH which is the industry standard for mercury control technology for coal-fired utilities.

New regulations to limit mercury emissions from coal-fired utilities are being enacted in the United States, Canada and other countries around the globe. The proposed regulations for US coal-fired utilities are expected to reduce mercury emissions into the environment by 91 percent. Also, achieving high mercury removal rates in the presence of SO₃ is a growing challenge as utilities address their multi-component emissions strategy. Norit activated carbon can help enable the utility industry to cost-effectively meet new regulations without disrupting operations.

With almost 100 years of experience in activated carbon product innovation, Norit is leading the industry in developing new products that are tailored to meet customers' needs. DARCO Hg-LH EXTRA is the latest product to result from Norit's ongoing R&D efforts. Norit's engineers and scientists worked to create a new premium product to complement DARCO Hg-LH, and which would offer improved mercury removal performance in challenging applications.

Sorbent injection trials at several separate coal-fired power plants showed DARCO Hg-LH EXTRA achieved 90 percent mercury removal from flue gas at low injection rates. In addition, DARCO Hg-LH EXTRA has achieved high mercury removal rates in the presence of SO₃ demonstrating 90 percent mercury removal from flue gas in the presence of 6.5 ppm SO₃ at moderate injection rates.

“At Norit, we are always working on new and innovative products for the activated carbon marketplace,” said Dr. Brian Tucker, Research Director of Norit Americas. “With DARCO Hg-LH EXTRA, we have developed a new revolutionary process that improves the oxidative capability of our sorbents, resulting in improved mercury adsorption capacity and kinetics. The lab results were outstanding, and recent full-scale tests at several coal-fired utilities confirm the results we saw in our labs. We are pleased to introduce this new innovative mercury removal product to the marketplace.” said Dr. Tucker.

¹ Patent pending

About Norit

Founded in 1918, Norit is the world's largest and most experienced producer of activated carbon which is used to remove pollutants, contaminants and other impurities from water, air, food and beverages, pharmaceutical products and other liquids and gases in an efficient and cost-effective manner.

Norit's history of innovation in purification allows us to develop the right product solution to meet each customer's needs. We have created more than 150 different grades of activated carbon – produced from a variety of raw materials – so that our customers get precise solutions that fit their applications and work better than an “off the shelf” product. In addition to our unparalleled product portfolio, Norit offers a full range of activated carbon services including system design, carbon reactivation, bulk delivery and change-out, carbon evaluation, as well as technical service and support to help our customers cost effectively meet their specific purification needs.

Norit has facilities in seven countries, and a network of sales and service centers, business partners, and distributors serving customers in more than 100 countries around the world. For more information, please visit <http://www.norit-america.com>.

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