



## Product Solutions to Block the Formation of Damaging Bacteria

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### Quaker Chemical Corporation Exhibits at the 2015 Bluefield Coal Show

CONSHOHOCKEN, Pa., Aug. 25, 2015 /PRNewswire/ -- There are many challenges facing today's mining industry, so it is essential that a mine's longwall operations run at peak performance. Bacteria that live in longwall hydraulic fluid, can lower longwall performance. The bacteria consumes portion of the fluid in their growth by feeding on the emulsifiers used in semi-synthetic and soluble oil type fluids. This destabilizes the emulsion resulting in emulsion bleed or oil split. Split longwall emulsions can reduce fluid lubricity, and cause other problems including:

- Component corrosion
- Solenoid valve malfunction

To combat bacteria growth, **Quaker Chemical Corporation** (NYSE: KWR, "Quaker") offers 100% synthetic true solution, QUINTOLUBRIC® 818-02. By reducing microbiological growth in the longwall fluid:

- Formation of damaging abrasive scum is eliminated, protecting the longwall equipment
- Frequency of component change-outs such as filters and solenoids is reduced, increasing production time and reducing maintenance costs

For more specific information on QUINTOLUBRIC® longwall hydraulic fluids, please visit: <http://www.quakerchem.com/product/longwall-fluids/>

Simple preventive measures such as regular fluid sampling and analysis can also support an efficient operation. With advanced technological know-how and field service, Quaker offers longwall fluid maintenance, including regular sampling of longwall fluids for concentration, pH, and microbiological populations.

Additionally, with the new respirable dust regulations from the Mine, Safety, and Health Administration (MSHA), mining operations will be required to lower the level of respirable dust from 2.0 mg/m<sup>3</sup> to 1.5 mg/m<sup>3</sup>, and significantly increase sampling frequency. These new regulations require full compliance by August 1, 2016. In alignment with MSHA's new regulations, Quaker offers DUSTGRIP®, a family of dust suppressant products for various applications, including roads and track haulage, mine haul roads, stockpiles, crushers, conveyor systems, longwall mining, rail cars, and quarries.

For more industry related information, please visit: <http://www.quakerchem.com/dustgrip/>

For more specific information on DUSTGRIP dust suppressants, please visit: <http://www.quakerchem.com/product/dust-suppressants/>

Quaker will be showcasing their complete Mining product line, including DUSTGRIP® dust suppressants, QUINTOLUBRIC® longwall and fire-resistant hydraulic fluids, and MINETECH™ gear lubricants, at the annual meeting o**Bluefield Coal Show** September 16<sup>th</sup> - 18<sup>th</sup> in Bluefield, West Virginia, **Booth 705**.

For more information on Quaker Chemical and its full product line offerings, please visit [quakerchem.com](http://www.quakerchem.com).

#### About Quaker Chemical Corporation:

Quaker Chemical Corporation is a leading global provider of process fluids, chemical specialties, and technical expertise to a wide range of industries, including steel, aluminum, automotive, mining, aerospace, tube and pipe, cans, and others. For nearly 100 years, Quaker has helped customers around the world achieve production efficiency, improve product quality, and lower costs through a combination of innovative technology, process knowledge, and customized services. Headquartered in Conshohocken, Pennsylvania, USA, Quaker serves businesses worldwide with a network of dedicated and experienced professionals whose mission is to make a difference. Visit [www.quakerchem.com](http://www.quakerchem.com) to learn more.

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Eliana Holguin, Global Marketing Manager, [holguine@quakerchem.com](mailto:holguine@quakerchem.com), T. 610.832.7897