Editorial Contact: Cortec<sup>®</sup> Advertising Agency:

Company Contact: Cortec<sup>®</sup> Advanced Film

Company Contact: Cortec<sup>®</sup> Advanced Film Shannon Garrow (651) 429-1100 Ext. 1128

Tim Bliss (651) 429-1100 Ext. 2218

Cindy Baker (651) 429-1100 Ext. 2206 sgarrow@cortecvci.com

tbliss@cortecvci.com

cbaker@cortecvci.com



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## **Cortec<sup>®</sup>** Celebrates 20 Years of Revolutionizing the Corrosion Inhibiting Industry at Cortec<sup>®</sup> Advanced Films!

The spring of 1997 was a significant time for the corrosion inhibiting industry as Cortec<sup>®</sup> Corporation purchased Spring Lake Plastics in Cambridge, Minnesota, to begin producing its own VpCI<sup>®</sup> films. Cortec<sup>®</sup> had already begun to transform corrosion control strategies by incorporating Vapor phase Corrosion Inhibitors (VpCIs) into plastic film used for equipment storage and packaging. The VpCI<sup>®</sup> film introduced an economical way to protect metal parts from corrosion during shipping or storage without requiring the use of greasy or hazardous rust preventatives.



The technology works as VpCI<sup>®</sup> molecules embedded in the non-toxic, recyclable film vaporize and condense on metal surfaces wrapped inside the film. The VpCIs form a protective molecular layer against



Located in Cambridge, Minnesota, Cortec<sup>®</sup> Advanced Films is the largest state of the art film producing facility globally.

corrosive elements such as humidity and high chlorides. When the package is opened, the VpCI<sup>®</sup> molecules disperse, leaving the metal part or equipment ready to use. This results in a dry, economical, and easy to use packaging and preservation method.

Before acquiring Spring Lake Plastics, Cortec<sup>®</sup> contracted its plastic film extrusion, bag making, and compounding activities to an outside vendor. Cortec<sup>®</sup> had intended to

outfit Cortec<sup>®</sup> headquarters for film extrusion operations as part of the vision for vertical integration held by Cortec<sup>®</sup> founder and CEO, Boris Miksic. When the option arose to acquire Spring Lake Packaging, Cortec<sup>®</sup> took the opportunity to have a plant dedicated to the production of VpCI<sup>®</sup> films, facilitating quality production through direct oversight and continued growth.

Since acquiring the plant in 1997, Cortec<sup>®</sup> Advanced Film Division (CAF) has made impressive strides, increasing production by at least five times. Production growth has been accompanied by the physical expansion of the plant. Since 1997, the plant has added the following assets:

- Two building additions
- Three large extrusion lines
- Two compounding lines
- One recycling line
- Two injection molding lines
- One slitter/rewinder
- One modern QC lab
- Two large silos that each hold a full railcar load of plastic pellets



Further growth is planned for the end of 2017 with the expansion of CAF's offices and training center and the addition of a new Plastics Recycling Complex.



The recycling complex represents Cortec's continued aim to provide environmentally friendly and sustainable corrosion solutions. Cortec's VpCI<sup>®</sup> film has already had a large impact on making corrosion protection environmentally friendly by reducing the need for traditional hazardous and cumbersome rust preventatives. Cortec's film is fully recyclable, which allows CAF to include recycled VpCI<sup>®</sup> film in the manufacture of new films, while still achieving quality VpCI<sup>®</sup>

performance and reducing scrap waste at the plant. "We don't throw anything in the garbage," CAF Production Manager, Tim Bliss, once commented regarding their VpCI<sup>®</sup> film scrap.

Some of Cortec's customers have already started benefiting from CAF's recycling program, which enables them to reduce their carbon footprint by sending recycled material back to Cortec<sup>®</sup> for reprocessing. Cortec<sup>®</sup> is eager to expand the recycling program, powered by a state-of-the art reprocessing machine that recycles and reuses the scraps to produce new batches of high quality VpCI<sup>®</sup> film.



In reflecting on Cortec's achievements during 20 years at CAF, CEO Miksic made the following summary of the division's history and capabilities:



Cortec<sup>®</sup> CEO, Boris Miksic, FNACE and Tim Bliss, CAF Production Manager monitoring extrusion of VpCI<sup>®</sup>-126 Blue Film

"Over the past 20 years since acquiring Spring Lake Plastics in Cambridge, Minnesota, USA the plant has grown significantly to become the world['s] largest producer of VpCI<sup>®</sup>/VCI films and bags. Cortec<sup>®</sup> Advanced Films is [a] fully vertically integrated plastics producing plant having its own state-of-theart compounding, extrusion, printing, converting and reprocessing as well as injection molding department. Total capacity is in excess of 20,000 metric tons (44 million lbs) which makes it one of the largest plastic processors in the Upper Midwest. Having its own rail car access makes the location of CAF ideal for supplying customers in the North American Continent geographically equidistant from the East and West Coast and the Gulf of Mexico. The modern laboratory is fully equipped for quality control and operates 24/7 in order to monitor operating parameters of each production line thus assuring excellent quality of finished products.



"CAF just announced further expansion planned

for the end of 2017 with the addition of the new Plastics Recycling Complex and expansion of its offices and the Training Center.

"CAF produces proprietary masterbatches for production of patented and branded VpCI<sup>®</sup> and ESD films and bags for its sister plant EcoCortec<sup>®</sup> in Beli Manastir, Croatia and a network of Cortec<sup>®</sup> licensees in Germany, Turkey, Spain, France, Japan and Brazil."



As suggested by this broad network, Cortec's VpCI<sup>®</sup> films have a reliable track record around the globe:

- Helping to eliminate corrosion during shipping where other companies have failed
- Revolutionizing the layup of large equipment by decreasing total applied cost and offering VpCI<sup>®</sup> film options at remarkable widths
- Providing durability in military applications and harsh outdoor conditions through the use of Cortec's tough MilCorr<sup>®</sup> film

CAF has indeed made a mark on the world of corrosion inhibiting packaging with Vapor phase Corrosion Inhibiting film and will continue to do so, helping end users around the world achieve the best in corrosion protection while remaining friendly to the environment!



To find out more about Cortec<sup>®</sup> Advanced Films innovative products, please visit:

http://www.cortecadvancedfilms.com/

Cortec<sup>®</sup> Advanced Films brochure can be found here: http://www.cortecvci.com/Publications/Brochures/CAF.pdf

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Cortec<sup>®</sup> Corporation is the global leader in innovative, environmentally responsible VpCI<sup>®</sup> and MCI<sup>®</sup> corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec<sup>®</sup> manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified. Cortec Website: http://www.cortecvci.com Phone: 1-800-426-7832 FAX: (651) 429-1122