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Local Company Partners with Major US Developer of Environmental Technologies
ADA-ES AND DOMINION ASH ENTER TECHNOLOGY AND MARKETING AGREEMENT

FREDERICTON, NEW BRUNSWICK – A local company is partnering with a major US developer of environmental technologies to develop and market a microwave process with economic and environmental benefits. Dominion Ash CCP Ltd., a Fredericton company, today announced that it entered into an agreement with ADA-ES, Inc., a subsidiary of Earth Sciences, Inc., to further develop and market Dominion's patent-pending microwave technology.

Dominion Ash commissioned Fredericton's EMR Microwave Technology Corporation to pilot the microwave carbon burnout (MCB) process, which efficiently removes carbon from the ash residue (fly ash) at coal-fired power plants. The process also provides heat recovery back to the facility. More significantly, the MCB process produces a quality ash that is in high demand by the Ready Mixed Concrete Industry.

The process also offers timely environmental benefits. Scientists discovered that the process was also effective in removing mercury from fly ash. They created a second application, whereby the microwave technology is utilized to remove mercury from the exhaust gases during the scrubbing process.

ADA-ES' develops mercury control technology that uses activated carbon (AC) to remove 70 – 90 percent of mercury from coal-fired power plant exhaust gases. By combining technologies, the two companies will be able to exploit exciting new engineering and marketing opportunities.

According to the National Coal Council, coal powers more than 50% of the electricity generated in the US. The Department of Energy has predicted that, with the new mercury control regulations, there will be an annual market of $2-5 Billion for mercury control technology. The ADA-ES AC process is ideally suited for retrofit application to the 1100 US, and Canadian Coal fired plants..

Dr. Michael Durham, President of ADA-ES, stated, "Handling the mercury in the ash after it has been captured by the ADA-ES process is a key element in the overall mercury control system. It is also necessary to treat the carbon in the ash to insure that the ash remains usable in concrete. The Dominion Ash technology provides an innovative solution to the ash issues. Together, the ADA-ES mercury control technology and the Dominion Ash technology provide a tremendous strategic advantage. We look forward to working closely with Dominion Ash and are already at the evaluation stage with several utility companies."

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Jim MacLean, President of Dominion Ash, is enthusiastic about joining forces with ADA-ES, a leader in the development and implementation of environmental technology. "We are excited

about the ADA-ES' technology and look forward to working together to further develop and market our MCB process." While acknowledging the obvious economic potential of the process, MacLean says environmental benefits should not be overlooked: " We're recycling combustion coal products into concrete thus resulting in a net reduction of CO2 which is a Green House Gas. And, we're avoiding land-filling a valuable engineering product."

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About Dominion Ash
Headquartered in Fredericton, New Brunswick, Dominion Ash provides complete fly ash solutions to coal-fired power plants, specializing in microwave technology. Dominion Ash is currently the sole supplier of quality coal fly ash imported by rail into Eastern Canada for use in ready mixed concrete.

About ADA-ES
Headquartered in Littleton, Colorado, ADA-ES, Inc., a subsidiary of Earth Sciences, develops and implements proprietary environmental technology and specialty chemicals that mitigate the environmental impact from electric power and industrial companies while reducing operating costs.

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