Targeted Microwave Solutions Announces Completion of Virginia Demonstration Facility

Vancouver, British Columbia, Canada – June 3, 2015 – Targeted Microwave Solutions Inc. (CSE: TMS) ("TMS" or the "Company") is pleased to announce today the completion of construction of its commercial demonstration facility (the “Virginia Facility”) in King William, Virginia. The Virginia Facility is situated on a five-acre parcel in the Fontaine Industrial Park, and is comprised of three stand-alone structures, consisting of a processing plant, an analytical laboratory and a coal storage facility.

The Processing Plant

The processing plant occupies a 33’ x 32’ footprint and stands five floors tall at a total height of 52’. Featured within the plant are two processing chambers connected by waveguides to a series of microwave transmitters.

A customized truss framework holds the processing chambers in place. This truss system is designed to allow for selective detachment of individual processing chambers for maintenance without disturbing neighbouring systems and assemblies. Additionally, the truss framework is designed to accommodate larger Generation 2.0 processing chambers currently under development.

Coal will generally be transported throughout the Virginia Plant by a network of conveyor belts and bucket elevators. During treatment, any dust and water vapour expelled from the coal is expected to be removed from the processing chambers to a 5000 CFM bag house. Any liquid water that is generated is expected to be filtered through a customized screen and directed into a sump to be pumped into a holding tank for analysis. The processed coal is then planned to be transported by a short high heat resistant conveyor belt to a secondary coal storage area for analysis and disposal.

The Virginia Plant is equipped with a modern safety system and automated controls, including in-line sensors that monitor for any arcing within the processing chambers, and fire suppression and carbon monoxide monitoring systems.

Coal Storage Area

The covered coal storage area at the Virginia Plant occupies a 30’ by 30’ footprint, and at full capacity can hold approximately 50 tons of coal.

Analytical Laboratory

The analytical laboratory has a footprint of 75’ by 25’. Inside the laboratory is a static batch microwave oven for initial analysis of coal delivered on-site. Additionally, the laboratory features a LEECO AC6000 semi-automatic calorimeter and a TGA 701 thermogravimetric analyzer for proximate coal analysis pre- and post-microwave treatment.

Commissioning Process

TMS engineering and technical staff are currently testing the automated controls and electrical systems as part of commissioning the Virginia Plant for operation. Once commissioning is complete, the Company intends to pursue a structured research program whereby various types of coal (and possibly other materials such as clay and biomass) will be tested and analyzed, including for maximum permitted material throughput, total energy consumption and recycled water analysis.

About Targeted Microwave Solutions Inc.

TMS is focused on commercializing its unique, clean-coal upgrading technology, a low-cost microwave technology that reduces moisture in coal resulting in an upgraded energy content of coal. This process is expected to provide significant financial benefits to coal-fired electrical generating utilities such as: cost savings from switching to low-rank coal, increases in boiler efficiencies and heat output, improved ash efficiencies and reductions in scrubber costs. Important environmental benefits such as reductions in greenhouse gases and mercury may also be derived from implementation of the Company's technology. TMS has recently completed constructing a commercial-scale reactor facility in King William County, Virginia, U.S.A. and has entered into joint ventures for China and India to develop and market its technology.

On behalf of the Board of Directors,

"Dr. James Young"
Chairman of the Board of Directors

For further information, please contact:

Targeted Microwave Solutions Inc.
Telephone: (778) 995 5833
office@mticoal.com

FORWARD-LOOKING STATEMENTS

This press release contains certain forward-looking statements that reflect the current views and/or expectations of the Company with respect to its performance, business and future events. In particular, this press release contains forward-looking statements relating to the expansion of research and development activities, the commissioning of the Virginia Plant and the functioning of its design components, including the truss framework, safety systems and automated controls. The reader is cautioned that forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other factors which are difficult to predict and that may cause actual results or events to differ materially from those anticipated in such forward-looking statements. Forward-looking statements are based on the then-current expectations, beliefs, assumptions, estimates and forecasts about the business and the industry and markets in which the Company operates. Forward-looking statements are not guarantees of future performance and involve risks, uncertainties and assumptions which are difficult to predict. Assumptions underlying the Company's expectations regarding forward looking statements contained in this news release include, among others: that the Company will, or will be in a position to, expand its research and development activities, including to various types of coals, clay and biomass, that the Company will successfully complete commissioning of the Virginia Plant and that the individual design components will operate as intended. Investors are cautioned that all forward-looking statements involve risks and uncertainties, including, without limitation, that the Company may never successfully complete commissioning of the Virginia Plant as and when expected or at all, or that the Virginia Plan and its individual components will not actually perform as expected. Accordingly, readers should not place undue reliance on forward-looking statements, which are qualified in their entirety by this cautionary statement. Except as required by law, the Company does not intend, and undertakes no obligation, to update any forward-looking statements to reflect, in particular, new information or future events. Neither CSE nor its Regulation Services Provider (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of the release.