



## **TMS Announces Results from Second Round of Testing Industrial Clays**

***Tests demonstrate 73% drying efficiency improvement over traditional rotary kilns***

**Vancouver, British Columbia, Canada** – April 1, 2016 – Targeted Microwave Solutions Inc. (CSE:TMS; OTCQX:TGMTF) ("TMS") is pleased to announce that it has completed data analysis from its second round of commercial-scale drying trials with Nestle-Purina (OTC:NSRGY).

Select highlights of the joint testing of industrial clays include:

- new mechanical venting modifications to the Generation II reactor improved drying efficiency by 73% over traditional rotary kiln drying results.
- total moisture content ("TM") of the test material was reduced from 28.34% - 6.04%, well exceeding TMS's "spec" dehydration target of below 7%.
- preliminary sieve analysis showed average reduction in particle size after treatment with TMS reactors, suggesting a desired "inside-out" drying phenomenon breaking apart material and achieving desired "re-sizing".

During the second round of joint tests, TMS processed 50/50 blends of run-of-mine ("ROM") montmorillonite clay and air-dried montmorillonite clay ("grog") having a TM content of roughly 30%.

Prior to the tests, TMS installed several mechanical vent improvements across the Generation II reactors, which resulted in visible improvement in water vapor capture and evacuation during testing. At optimum processing ranges, the TMS system showed a 73% improvement in drying efficiency versus traditional kiln drying methods. The second round of testing confirmed that the TMS technology is able to achieve commercially relevant drying targets within a "low heat" environment without yielding any polluting emissions.

Chairman Dr. James Young remarked: "Data from the second round of tests with Nestle-Purina confirms that our engineering efforts are moving in the right direction. Now we will focus our energy on bringing the Generation III reactor on line with improved volume capacity and even greater efficiencies."

On behalf of the Board of Directors,

*"Dr. James Young"*

Chairman of the Board of Directors

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