Great Lakes GRAPHITE

TMX GLK.V

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FOR IMMEDIATE RELEASE **TSX Venture Exchange Symbol: GLK**

Great Lakes Graphite Announces Repeat Purchase Orders From U.S. Industrial

August 31, 2016, Toronto: Great Lakes Graphite Inc. ("**Great Lakes**", **"GLK"** or the "**Company**" TSX-V:GLK, OTC:GLKIF, FWB:8GL) today announces that five repeat purchase orders have been received from the large, Texas-based industrial company who placed two purchase orders for micronized synthetic graphite products earlier this year. Each purchase order specifies twenty tonnes of material and takes the number of orders that Great Lakes has now received from this customer to a total of seven, representing one hundred and forty tonnes of graphite products.

Great Lakes CEO Paul Gorman commented, "We have spent the last few months working closely with this particular customer to develop a solution with the required performance characteristics. By working closely and creatively with our partners, we have been able to fulfill the first four purchase orders and we have delivered eight tonnes of material to date, or as packaged, roughly thirty-two hundred 50-pound bags. Ongoing fulfillment of orders for this customer will continue to be accomplished by working with our partners. Production activities will in time transition to the Matheson facility and that changeover is expected to take place over the coming weeks."

Mike Coscia, Sr. Vice President of Sales added, "We are getting underway and are making steady progress in building the foundation that will enable us to manufacture products and address customer requirements. Successful contingency planning has made it possible to keep moving forward, even as we work to address the inevitable challenges that come up during any project of this size."

About Great Lakes Graphite: Great Lakes Graphite Inc. is an industrial minerals company focused on bringing value-added carbon products to a well-defined market.

The Company is party to an agreement for shared use of a portion of an industrial facility located in Matheson, Ontario owned by Northfil Resources Limited, as well as for supply of high quality natural graphite concentrate (see news release dated 03/23/15), which have positioned Great Lakes Graphite to become an emerging domestic manufacturer and supplier of micronized products to a growing regional customer base where pricing and demand continue to rise.

Further information regarding Great Lakes can be found on the Company's website at: www.GreatLakesGraphite.com.

Great Lakes Graphite trades with symbol GLK on the TSX Venture Exchange and currently has 117,561,978 shares outstanding.

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