

April 15, 2008

## **DIAMOND POTENTIAL OF SEITAPERÄ KIMBERLITE CONFIRMED BY MINERAL CHEMISTRY AND MICRO-DIAMOND ANALYSES**

- **Micro-Diamond Recovered From Kimberlite Feeder Dyke**
  - **Mantle Material Shown To Have Favourable Ratio Of Garnets**
- 

Karelian Diamond Resources plc (AIM: KDR) is pleased to announce favourable results of its mineral chemistry and micro-diamond analyses on the Seitaperä diamondiferous kimberlite in eastern Finland and the recovery of a micro-diamond from a feeder dyke to the main pipe.

Micro-probe analyses of mantle-derived nodules (inclusions) from the Seitaperä kimberlite have demonstrated that these are mantle-sourced garnet peridotites bearing abundant G9 garnets. The significance of the nodules is that diamonds are formed within mantle material.

These analyses, performed under contract by the Geological Survey of Finland (GTK), have been integrated into an extensive data-base of mineral chemistry analyses from the Seitaperä kimberlite. The garnet content of the kimberlite is now shown to comprise ~14% harzburgitic (G10); ~73% lherzolithic (G9); ~13% megacrystic and ~0.5% eclogitic (n=240). This ratio is in the general range of many economically diamondiferous kimberlites world-wide.

In addition to the positive mineral chemistry, a micro-diamond has been recovered from one of two kimberlite dykes presumed to feed into the Seitaperä kimberlite. The sample material was selected on the basis of surface exposure and as such, the positive micro-diamond result not only further confirms the diamondiferous nature of the Seitaperä pipe but also the survivability of diamonds in the kimberlite magma of the pipe.

Based on these results the Company has decided to undertake comprehensive testing of the known mantle-nodule bearing zone previously identified within the Seitaperä kimberlite.

Commenting today, Professor Richard Conroy, Chairman of Karelian Diamond Resources, said: "We are particularly pleased by the recovery of a micro - diamond from the feeder dyke which bodes well for the main pipe itself and that the mineral chemistry results from the mantle material are within the general range of many economically diamondiferous kimberlites world-wide".

This release has been approved by the Company's technical staff who include, Kevin McNulty, who holds a BSc/MSc in Geology and Remote Sensing, in accordance with the guidance note for Mining, Oil & Gas Companies issued by the London Stock Exchange in respect of AIM Companies, which outlines standards of disclosure for mineral projects.

Further Info:    *Professor Richard Conroy, Chairman Karelian Diamond Resources plc.    **Tel:** +353-1-661-8958*  
*Charles Dampney, City Capital Corporation Limited.    **Tel:** + 44-20-7842-5867*  
*Jeffrey Coburn/Simon Fox, John East & Partners Limited    **Tel:** +44-20-7628-2200*  
*Don Hall, Hall Public Relations and Corporate Affairs    **Tel:** + 353-1-660-9377*  
*Ron Marshman/John Greenhalgh, City of London PR Limited.    **Tel:** +44-20-7628-5518*