



NORTHERN VERTEX  
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## Northern Vertex Water Report Confirms Key Project Milestone at Moss Gold Silver Project

**April 18, 2017, Vancouver, B.C. - Northern Vertex Mining Corp. (TSX.V:NEE) (OTC:NHVCF) (the “Company” or “Northern Vertex”)** is pleased to announce that an updated mine water study by Golder Associates confirms that groundwater wells drilled on the Moss Mine patented lands meets the peak water demand for mine operations. This was a key project milestone identified in the July 2015 Feasibility Study.

The Golder hydrology study estimates the groundwater resources from existing production wells to be in the order of 180 to 240 gpm. Golder estimates an additional 120 to 160 gpm will be generated from “Pit Dewatering” during mine operations. The Pit Dewatering is expected to be accessible from Year 2 onwards at increasing flow rates as the pit gets deeper. The Golder models confirm that the pit dewatering will not have any impact on the productivity of the groundwater wells since these wells target water resources well below the pit floor.

Commercial production mine water demand varies from about 170 gpm during the winter months, to a peak of 240 gpm during June and July. The average water demand is 210 gpm for Moss Mine operations.

**Kenneth Berry, President and CEO, stated:** “The recent Golder study is a major development for the Moss Mine project that confirms there will be adequate groundwater resources on the patented claims to support our planned upcoming mining operations. The Golder work has effectively delivered a much deeper understanding of the groundwater regime in and around the Moss mine and this has given us the confidence to move forward on the basis that the mine will be self-sufficient in terms of groundwater resources.”

Highlights from the Golder study include:

- The Moss mine site is situated in a regional groundwater regime that includes recharge in the Black Mountains to the east of the project, and discharge into the Colorado River basin to the west.
- Make-up water requirements for operation of the Moss mine include water used for dust control in the crushing circuit, water consumed in the ore agglomeration process, water consumed for ore wetting, and leaching in the heap leach. The major sources of water losses include evaporation, and ore wetting in the heap.
- The existing groundwater well network at the Moss mine consists of 9 producing water wells with capacities ranging from 10 gpm to 50 gpm.

Our EPCM contractor, M3 Engineering and Technology of Tucson, AZ, are currently designing a minewide raw water distribution system to tie the groundwater wells together.

### Qualified Person

The foregoing technical information contained in this news release has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 (Standards for Disclosure for Minerals Projects) and reviewed on behalf the Company by James McDonald, P.Geo & Director for Northern Vertex, a Qualified Person.

### About Northern Vertex

Northern Vertex Mining Corp. is an exploration and mining company focused on the reactivation of its 100% owned Moss Mine Gold/Silver Project located in NW Arizona, USA. The Company's management comprises an experienced management team with a strong background in all aspects of acquisition, exploration, development, operations and financing of mining projects worldwide. The Company is focused on working



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effectively and respectfully with our stakeholders in the vicinity of the historical Moss Mine and enhancing the capacity of the local communities in the area.

ON BEHALF OF THE BOARD OF NORTHERN VERTEX  
"Kenneth Berry "  
President & CEO

For further information, please visit [www.northernvertex.com](http://www.northernvertex.com)  
or contact Investor Relations at: 604-601-3656 or at 1-855-633-8798.

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**Cautionary Note to US Investors:** *This news release may contain information about adjacent properties on which we have no right to explore or mine. We advise U.S. investors that the SEC's mining guidelines strictly prohibit information of this type in documents filed with the SEC. U.S. investors are cautioned that mineral deposits on adjacent properties are not indicative of mineral deposits on our properties. This news release may contain forward-looking statements including but not limited to comments regarding the timing and content of upcoming work programs, geological interpretations, receipt of property titles, potential mineral recovery processes, etc. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Actual results may differ materially from those currently anticipated in such statements. This press release uses the terms "Measured", "Indicated", and "Inferred" resources. United States investors are advised that while such terms are recognized and required by Canadian regulations, the United States Securities and Exchange Commission does not recognize them. "Inferred Mineral Resources" have a great amount of uncertainty as to their existence, and as to their economic and legal feasibility. It cannot be assumed that all or any part of an Inferred Mineral Resource will ever be upgraded to a higher category. Under Canadian rules, estimates of Inferred Mineral Resources may not form the basis of feasibility or other economic studies. United States investors are cautioned not to assume that all or any part of Measured or Indicated Mineral Resources will ever be converted into Mineral Reserves. United States investors are also cautioned not to assume that all or any part of a Mineral Resource is economically or legally mineable.*

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