

**Form 51-102F3  
Material Change Report**

**Item 1 Name and Address of Company**

**MINEWORX TECHNOLOGIES LTD.** (The "Company")

Unit 113/114 – 8331 Eastlake Drive  
Burnaby, B.C. V5A 4W2

**Item 2 Date of Material Change**

December 11, 2018

**Item 3 News Release**

A News Release over Globe Newswire on December 11, 2018

**Item 4 Summary of Material Change**

The Company provided a further update on their E-Waste Concentration Plant

**Item 5 Full Description of Material Change**

**5.1 Full Description of Material Change**

**Vancouver, B.C., Canada – December 11, 2018 – Mineworx Technologies Ltd.**, (the "Company" or "Mineworx") (TSXV: MWX) (OTCQB: MWXRF) (FSE: YRS WKN: A2DSW3), a leading provider of proprietary, cost-effective, and non-toxic precious metals extraction solutions to the E-Waste and mining industries is pleased to provide, along with its JV partner EnviroLeach Technologies, an update on the JV Corporate plant in Vancouver, B.C.

As outlined in in EnviroLeach's new release of today, Phase 2 of the JV Vancouver E-Waste processing plant is now underway. This phase includes the development of version 2.0 of chemical treatment plant.

This phase of the plant will consist of the continuous chemical treatment of the organic/light fraction produced by the current concentrate line, followed by secondary density separation, proprietary attrition scrubbing, agitation, dissolution of the metals into aqueous solution, solid/liquid separation and finally the extraction of the precious metals from the pregnant solution. The barren solution is then regenerated and reused. The resulting dried tailings will be shipped to our partner and will be repurposed in the manufacturing of cement products.

Many improvements and enhancements have been made to the chemical formula and processes leading to a significantly reduced leach cycle time, lower chemical consumption and improved recoveries.

The entire process operates in a near zero environmental footprint with no landfilling of waste, no atmospheric off-gassing and no water effluent. This results in the most economic and ecologically friendly Printed Circuit Board "PCB" recycling process in the world.

The anticipated completion date of Phase 2 is estimated for Q2 2019.

Greg Pendura, President and CEO commented, "I want to commend both the Mineworx and EnviroLeach teams on the successful launch of the JV's proprietary concentration plant. This has now paved the way for the

addition of a chemical treatment line allowing us to maximize the recovery of precious metals from the organic/light fraction following concentration. We look forward to showcasing our complete plant as an eco-friendly solution to our current and future potential partners in the E-Waste sector.”

The capital investment for the process plant is comparatively low, the entire Vancouver facility is projected to cost \$4 million USD with a designed capacity of 20 tonnes of PCB per day. This plant offers the exclusive ability to concentrate low-grade boards without loss of precious metals in the organic/light fraction and produce a high-grade metal, low-grade organic based concentrate appealing to all smelters and refiners.

As part of the E-Waste JV agreement with EnviroLeach, Mineworx will be providing 20% of the funding towards this development. All the Mineworx design and fabrication resources continue to be entirely devoted to the completion of the fully functional Vancouver facility.

Mineworx, which holds a license in perpetuity for use in mining applications from EnviroLeach Technologies for their patent-pending, environmentally-friendly leach, will also continue to develop its opportunities in the traditional mining sector by utilizing the Company’s business model for smaller, high grade gold deposits, providing a solution to property owners experiencing permitting issues with respect to toxic cyanide leaching or seeking an environmentally-friendly alternative to cyanide through its current technologies.

## **5.2 Disclosure for Restructuring Transactions**

Not applicable.

### **Item 6 Reliance on subsection 7.1(2) of National Instrument 51-102**

Not applicable.

### **Item 7 Omitted Information**

Not applicable.

### **Item 8 Executive Officer**

Mr. Greg Pendura, President and Chief Executive Officer  
Tel: 780-800-0726

### **Item 9 Date of Report**

December 11, 2018