

# **Dundee Sustainable Technologies Inc.**

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## **NEWS RELEASE**

### **Dundee Sustainable Technologies Enters into an Arsenic Stabilization Piloting Agreement with an International Gold Mining Company**

MONTREAL, QUEBEC, February 3, 2016 – Dundee Sustainable Technologies Inc. (“DST” or the “Corporation”) (CSE: DST) is proud to announce that it has entered into a retainer agreement (the “Agreement”) with an international gold mining company (the “Company”) to evaluate the feasibility of integrating DST’s proprietary arsenic stabilization technology (the “DST Technology”) to the sequestration of arsenical matter produced by the Company’s operations. This technology is designed for the sequestration of arsenic in a stable glass form.

The objective of the Agreement is to establish a two-phase approach aimed, in a first phase, to confirm, at the pilot plant scale, that the DST Technology can be successfully implemented on material targeted by the Company for stabilization. Following which, a techno-economic study will be performed, at the pre-feasibility level, to evaluate the technical and economic implications of a full-scale DST arsenic vitrification plant located at the site of the Company’s operation. The Company will pay a consultancy fee to DST for work carried out as per the Agreement.

DST’s process uses lower cost chemicals to economically produce a more stable product than current industrial practices. This process to stabilize arsenic is becoming an attractive technique to segregate the arsenic and is therefore opening new opportunities for contaminated site remediation and for deposits or concentrates considered to contain too much arsenic to be exploited using conventional approaches. The produced glass is non-toxic and conforms to the United States Environmental Protection Agency’s (EPA) toxicity characterization leaching procedure (TCLP, Method 1311).

This Agreement is a major achievement in DST’s efforts to demonstrate the technical and economic viability of the arsenic stabilization technology on an industrial scale. DST will continue to advance with strategic partners towards developing the feasibility criteria for the implementation, on a commercial scale, of the DST process.

#### **About Dundee Sustainable Technologies, a company controlled by Dundee Corporation**

The Corporation is engaged in the development of environment-friendly technologies for the treatment of materials in the mining industry. Through the development of patented, proprietary processes, DST extracts precious and base metals from ores, concentrates and tailing, while stabilizing contaminants such as arsenic, which could not otherwise be extracted or stabilized with conventional processes because of metallurgical issues or environmental considerations.

At present, DST most advanced proprietary processes are associated to the extraction of precious metals using a chlorination process which provides a cyanide-free alternative for the exploitation of gold deposits. The primary benefits of this innovative technology are shorter processing times,

a closed-loop operation eliminating the need for costly tailings pond, and a reduced environmental footprint related to the inert and stable characteristics of the cyanide free tailings.

The chlorination process developed by DST is a recognized “green technology” for which it was awarded a \$5 million grant by the Government of Canada for the construction and operation of a demonstration plant. The plant will serve as a demonstration platform for the chlorination process on an industrial scale and under continuous operating conditions.

In addition to this chlorination process, DST completed the construction of a pilot plant designed to demonstrate its arsenic stabilization process which is designed for the sequestration of arsenic in a stable glass form. This process is becoming an attractive technique to segregate the arsenic and is therefore opening opportunities for materials considered to contain too much of this toxic material to be exploited or stabilized using conventional approaches.

DST has filed, published and was granted patents for these processes in several countries.

**Dundee Sustainable Technologies Inc.**

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Forward-looking statements are based on the expectations and opinions of the Corporation's management on the date the statements are made. The assumptions used in the preparation of such statements, although considered reasonable at the time of preparation, may prove to be imprecise and, as such, undue reliance should not be placed on forward-looking statements. The Corporation expressly disclaims any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise, except as required by applicable law.

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