

# **Dundee Sustainable Technologies Inc.**

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## **NEWS RELEASE**

### **Dundee Sustainable Technologies Completes its Arsenic Stabilization Plant**

MONTREAL, QUEBEC, January 28, 2016 – Dundee Sustainable Technologies Inc. (“DST” or the “Corporation”) (CSE: DST) is proud to announce that it has successfully achieved, as part of the commissioning of its newly constructed arsenic stabilization pilot plant, its first casting of arsenical glass, using DST’s proprietary technology. This technology is designed for the sequestration of arsenic in a stable glass form.

In December 2015, arsenical glass was smoothly casted from a stabilization trial run. The produced glass was submitted to the United States environmental protection agency's (EPA) toxicity characterization leaching procedure (TCLP, Method 1311) and the non-toxicity of the arsenical glass was confirmed well below the norm.

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 remediation sites and for deposits or concentrates considered to contain too much arsenic to be exploited using conventional approaches.

The production of this glass 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 advance with strategic partners towards developing the technical and economic 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 the 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 \$5.7 million grant 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.

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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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