

# **Dundee Sustainable Technologies Inc.**

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## **NEWS RELEASE**

### **Dundee Sustainable Technologies Inc. Announces Arsenic Plant Update**

MONTREAL, QUEBEC, December 5, 2018 – Dundee Sustainable Technologies Inc. (the “Corporation” or “DST”) is pleased to update shareholders on the construction of its Industrial Scale Plant (the “Plant”) using a DST’s proprietary arsenic stabilization technology (the “DST Technology”).

The Plant has been delivered to the customer and is undergoing final assembly on site under the supervision of DST’s experienced technical team. After the holiday season, the DST technical team will be on site to begin hot commissioning and a twelve-month operation period. The Plant has a design capacity of 8 tonnes of glass per day, which is equivalent to 10% of the flue dust produced daily in the facility. The DST Technology will safely sequester the arsenic in the glass at a concentration level of up to 20%.

The objective of the project is to confirm, at the industrial scale, the amenability of the DST Technology for the treatment of flue dusts produced by the facility. During the operation period data will be collected and a study will be performed to evaluate the technical and economic implications of a full-scale DST arsenic vitrification plant to be located at the facility.

Mr. Brian Howlett, the CEO of DST commented, “Management is very pleased with the design and construction of this Plant and is confident that it will allow the Corporation to build on the numerous arsenic opportunities currently in pipeline. The modular design of the Plant will allow for rapid design, pre-testing and assembly at locations that would benefit from DST’s technology and is particularly well suited to remote operations. The Corporation will continue to update its shareholders and the market upon the progress of this project as warranted.”

As previously announced in a press release dated January 24, 2018, this project is partially funded by the Government of Canada through Sustainable Development Technology Canada (“SDTC”).

The DST Technology uses lower cost inputs to economically produce a more stable product than current industrial practices. DST’s innovative method to stabilize arsenic is becoming an attractive technique to segregate the arsenic and is applicable for deposits or concentrates considered to contain arsenic concentrations too high to be exploited using conventional approaches. The resulting glass is non-toxic and meets or exceeds the United States Environmental Protection Agency’s (EPA) toxicity characterization leaching procedure (TCLP, Method 1311).

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

The Corporation is engaged in the development and commercialization 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 mineralized material, concentrates and tailings, while stabilizing contaminants such as arsenic, which could not

otherwise be extracted or stabilized with conventional processes because of metallurgical issues or environmental considerations.

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

**FOR FURTHER INFORMATION PLEASE CONTACT:**

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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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