



July 14, 2017

**UNEP Chemicals Branch DTIE**

11-13, chemin des Anémones  
CH-1219 Châtelaine  
Geneva, Switzerland

**Reference: UNEP Global Mercury Partnership**

Dear Sir/Madam,

Thank you for your consideration towards Sacré-Davey Engineering (SDE) volunteering to become a member of the UNEP Global Mercury Partnership. After initial contact through Kenneth Davis, SDE is pleased to submit this letter of intent indicating our commitment to conduct voluntary technical studies on the mitigation of mercury misuse regarding artisanal and small scale gold mining (ASGM). Our primary areas of interest include mercury usage in pan and sluice gravity operations as well as cyanidation of mercury-containing tailings.

We thoroughly understand the localized and broad-based implications of adverse mercury use, and as such would like to use our technical expertise in mining innovations to derive new standards in the field of ASGM. The movement towards a more sustainable future is a core value SDE shares and strongly believes in. If we can assist the UN in achieving its environmental and socio-economical goals in any way, we feel this would qualify as making an impactful contribution to the sustainable movement.

Six mining engineers are committed to volunteer part-time for a period of 6 months, with additional in-house support available including chemical, civil, structural, electrical, and mechanical engineers. The team will be led myself, Brent Hilscher, who previously worked with the World Bank in 2015 on projects of similar scope. A process/mining engineer, I have presented at over a dozen conferences, patented a suite of mining technologies, and published several technical papers. Most recently, I have spearheaded the evolution of ore sorting in North America to reduce energy water and chemical consumption in the mining industry.

Should you find that we are performing valuable work over the course of these 6 months, SDE will be more than happy to extend this partnership and explore other potential areas where we can offer our assistance.

Thank you for taking the time to review this submission. If you have any questions or concerns, please feel free to contact me at [bhilscher@sacre-davey.com](mailto:bhilscher@sacre-davey.com) or 604.352.9585. I look forward to advancing this collaborative effort to its next stages.

Best Regards,

***Brent Hilscher, P.Eng.***  
***Principal Process Engineer***



CHEMICALS BRANCH  
DIVISION OF TECHNOLOGY, INDUSTRY AND ECONOMICS  
UNITED NATIONS ENVIRONMENT PROGRAMME

## UNEP GLOBAL MERCURY PARTNERSHIP INFORMATION ON BECOMING A PARTNER

### PARTNERSHIP AREA

Please check the partnership areas to which your organization intends to contribute to:

- artisanal and small scale gold mining
- mercury cell chlor alkali production
- mercury air transport and fate research
- mercury in products
- mercury releases from coal combustion
- mercury waste management
- mercury supply and storage mercury supply and storage
- mercury releases from the cement industry

Please indicate in your support letter how your organization intends to contribute to each of the indicated partnership areas.

### ORGANIZATION NAME

Sacre-Davey Engineering Inc.

### NAME, FUNCTIONAL TITLE OF REPRESENTATIVE

Engineering Consultant

### ADDRESS OF ORGANIZATION

315 Mountain Highway, North Vancouver, BC V7J2K7

### TEL. No.

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6049860525

### WEBSITE/URL

www.sacre-davey.com

### TYPE OF ORGANIZATION

- Government
- Regional economic integration organization
- Non-government Organization
- Industry
- Scientific community
- Other, please specify:

\*UNEP Global Mercury Partnership Registration Forms are to be accompanied by a letter to UNEP signifying support for the UNEP Global Mercury Partnership and commitment to achieving the partnership goal. The support letter should specify how the organization intends to contribute to meeting the goal of the UNEP Global Mercury Partnership. Please submit the support letter and registration form to:

Head of Branch - UNEP Chemicals Branch DTIE  
11-13, chemin des Anémones - CH-1219 Châtelaine - Geneva, Switzerland  
E-mail: metals.chemicals@unep.org