

**MANAGEMENT'S DISCUSSION AND ANALYSIS**  
**FOR THE THREE AND SIX MONTH PERIOD ENDED FEBRUARY 28, 2013**

Titanium Corporation Inc. ("Titanium" or the "Company") has prepared the following management's discussion and analysis (the "MD&A") to provide information to assist in understanding the financial results for the three and six month period ended February 28, 2013. This MD&A should be read in conjunction with Titanium's audited financial statements for the fiscal year ended August 31, 2012 including the notes thereto (the "Financial Statements"). This MD&A is dated as at and based on information available to management as of April 29, 2013. The Company is a development stage company whose common shares are listed on the TSX Venture Exchange under the symbol "TIC".

The above referenced material is available on Titanium's website at [www.titaniumcorporation.com](http://www.titaniumcorporation.com) or it can be found, along with additional information about Titanium, including the Company's annual information form for the year ended August 31, 2011 (the "AIF"), on the System for Electronic Document Analysis and Retrieval ("SEDAR") at [www.sedar.com](http://www.sedar.com).

The Financial Statements and this MD&A have been prepared in accordance with Canadian generally accepted accounting principles as set out in the Handbook of the Canadian Institute of Chartered Accountants ("CICA Handbook") which incorporate International Financial Reporting Standards ("IFRS"). All amounts included in this MD&A are in Canadian dollars, unless otherwise specified.

*This MD&A contains forward-looking information that reflects the current expectations of management about the future results, performance, achievements, prospects or opportunities for Titanium. These statements generally can be identified by use of forward-looking words such as "may", "will", "expect", "estimate", "anticipate", "believe", "project", "should" or "continue" or the negative thereof or similar variations. Forward-looking information is provided in this document in the discussion of Titanium's research and development plans under the heading "Titanium's Business" and Titanium's business plans for fiscal 2013 under the heading "Update", and "Next Steps". Titanium provides forward-looking information in order to describe management's expectations and assist shareholders in understanding our financial position as at and for the periods ended on the dates presented in this MD&A. Readers are cautioned that this information may not be appropriate for other purposes. Forward-looking statements are based upon a number of assumptions and are subject to a number of known and unknown risks and uncertainties, many of which are beyond Titanium's control, which could cause actual results, performance or achievements to differ materially from those that are disclosed in or implied by such forward-looking statements. Forward-looking information is subject to significant risks and uncertainties and is based on a number of Titanium's expectations and assumptions which may prove to be incorrect regarding*

*future prices for zircon and bitumen, stable currency exchange rates between the Canadian and US dollars, expected capital expenditures and Titanium's expected future research and development activities. The material risks, uncertainties and other factors that could influence actual results include, but are not limited to:*

- *Commercialization of the Creating Value from Waste™ (“CVW™”) project on the timetable anticipated or at all;*
- *The commercialization of the CVW™ process is dependent upon oil sands producers to adopt and integrate the CVW™ process into their operations and provide froth treatment tailings volumes as feedstock to the CVW™ process;*
- *Commodity price fluctuations are beyond our control and may affect the ability of oil sands producers to enter into commercial projects with us;*
- *Heavy mineral price fluctuations are beyond our control and may have a material adverse effect on our business operating results, financial condition and profitability;*
- *Potential fluctuations in our financial and business results make forecasting difficult and may restrict our access to funding for our commercialization plan;*
- *Access to the necessary sources of capital to finance the CVW™ project;*
- *Uncertainty related to the cost to build and operate the CVW™ project;*
- *Operational, execution, or technical difficulties in connection with successfully completing research activities and building and operating the CVW™ project;*
- *Development timeline delays and problems, including negative impacts on Titanium's technologies caused by unforeseen development costs;*
- *Results of research activities;*
- *Reliance on a small number of key people to carry out Titanium's business and research activities;*
- *Competitors who may develop alternate solutions or Titanium's intellectual property may not be adequately protected; and/or*
- *Changes to environment laws and regulations which may add significant cost to or impair the permitted operation of the CVW™ project.*

While we anticipate that subsequent events and developments may cause our views to change, we do not have an intention to update this forward-looking information except as required by applicable securities laws. This forward-looking information represents our views as of the date of this MD&A and such information should not be relied upon as representing our views as of any date subsequent to the date of this document. We have attempted to identify important factors that could cause actual results, performance or achievements to vary from those current expectations or estimates expressed or implied by the forward-looking information. However, there

may be other factors that cause results, performance or achievements not to be as expected or estimated and that could cause actual results, performance or achievements to differ materially from current expectations.

*There can be no assurance that this forward-looking information will prove to be accurate as actual results and future events could differ materially from those expected or estimated in such statements. Accordingly, readers should not place undue reliance on forward-looking information.* These factors are not intended to represent a complete list of the factors that could affect the Company. Additional information on these and other factors are disclosed elsewhere in this MD&A and in other reports filed with the securities regulatory authorities in Canada from time to time and available on SEDAR.

## **Titanium's Business**

The Company has developed innovative *CVW*<sup>TM</sup> technologies that recover valuable heavy minerals, bitumen, solvent and water from oil sands waste tailings. The recovery of bitumen, associated solvents and water will result in important and timely environmental improvements for the oil sands industry. In fiscal 2011, the Company completed a twelve month demonstration pilot which culminated several years of progressive research and development ("R&D") of its proprietary technologies.

In the mining sector of Canada's oil sands industry, which is the Company's area of focus, producers surface mine deposits in northern Alberta to extract bitumen (heavy oil trapped in the sands) for further processing into synthetic crude oil. Heavy minerals occurring in these oil sands deposits are concentrated in tailings during one of the bitumen extraction steps referred to as 'froth treatment'. Oil sands producers currently use either a naphtha or paraffinic based solvent to process bitumen at the froth treatment stage. These solvent based processes result in the loss of bitumen, solvents and heavy minerals in froth treatment tailings streams which are currently deposited in tailings ponds. The combination of bitumen and solvent losses to tailings ponds results in volatile organic compound ("VOC") emissions and greenhouse gas ("GHG") emissions. Significant GHG emissions are caused by methane biogenesis (methanogenesis) in tailings ponds. Methane, which has a CO<sub>2</sub>e intensity of 25 times CO<sub>2</sub>, is released into the atmosphere from tailings ponds. Scientific studies point to the solvents in froth treatment tailings as a cause of methanogenesis. The Company's technology has been developed for naphtha based and paraffinic froth treatment tailings to meet the current and future needs of all the major oil sands operators related to froth treatment tailings remediation.

Four large oil sands mining sites are currently in operation: Syncrude Canada, Suncor Energy, Canadian Natural Resources Limited ("CNRL") and Albion Sands ("Shell"). One new mining site, Imperial Oil Kearl, is currently in start up for commissioning and an additional site, Total Joslyn, has received regulatory approval. All of the current and developing sites forecast expansions, which will significantly increase Canada's oil sands mining

production in the years ahead. The growth of the oil sands industry means that increased volumes of bitumen, solvent and minerals will be generated and lost in froth treatment tailings.

To capture this opportunity, over a four year period the Company's scientists together with research, engineering and Government partners, conducted highly disciplined, phased research programs as follows:

- Phase I - initial laboratory scale work: the objective was to identify the most prospective laboratory-based solutions;
- Phase II - continuous bench scale testing: the objective was to provide scaling data for piloting; and
- Phase III - integrated pilot testing: the objective was to demonstrate the operation of the technology in an integrated continuous process.

The following summarizes the successful execution of the Company's programs:

The Company completed Phases I and II, successfully executing a two year research program endorsed by the Alberta Government and supported by a \$3.5 million Alberta Energy Innovation Fund ("AEIF") grant received in March 2008. The key achievements of the program were the development of technologies to remove bitumen from heavy minerals and recover bitumen, solvents and water from froth treatment tailings. As a condition of the grant, a Government Advisory Committee to the Company was formed, comprised of representatives from the Energy and Environment Ministries, the Energy Resources Conservation Board ("ERCB"), Alberta Innovates and the AEIF grant program was extended to include partial funding of the Company's demonstration pilot program. The Company has completed all programs associated with the AEIF grant and provided final reports to the Alberta Government.

The success of the R&D program resulted in the award of a \$4.9 million Federal Government grant from Sustainable Development Technologies Canada ("SDTC") in September 2009. The SDTC grant was utilized by the Company to fund one-third of the integrated demonstration pilot program. The Company engaged SNC-Lavalin as its engineering partner for pilot and full scale commercial engineering. A consortium was formed to facilitate the pilot comprised of the three naphtha based oil sands producers, Syncrude Canada, Suncor Energy and CNRL, Government (Federal and Alberta) and Sojitz Corporation of Japan. The integrated demonstration pilot was engineered and operated over an 18 month period and decommissioned in mid- 2011. Tailings from the three naphtha based oil sands operators were extensively tested during the program.

From June 2010 through May 2011, the integrated demonstration pilot (Phase III) was operated at CanmetENERGY Natural Resources Canada's Devon, Alberta pilot facility. This facility is the major site for the testing of oil sands froth treatment technologies by the oil sands industry. Over 30,000 independent sample

analyses were conducted by Maxxam Analytics during the 12 month pilot program. The Company completed demonstration piloting for the three naphtha based oil sands operators achieving excellent results: overall bitumen recoveries of up to 80% and solvent recoveries of 75%, the top end of targeted ranges; removal of bitumen from heavy minerals concentrate (“HMC”); and effective thickening of tailings and recovery of water for recycling. The Company also conducted pilot testing of paraffinic froth treatment tailings for two other oil sands firms, completing four weeks of piloting at a third party site, achieving bitumen recoveries of 85%.

Following the completion of the demonstration pilot in mid-2011, the Company provided detailed technical reports and reviews to the oil sands and Government participants. During 2012, the Company met with the oil sands participants to review results and provide economic business case projections and proposals. The Company has also developed relationships with potential partners that would bring operational, marketing and financial resources to commercial ventures. The Company has been conducting minerals separation testing programs utilizing cleaned HMC to produce final zircon products. In addition to meeting with the oil sands operators, the Company has been pursuing parallel tracks for commercialization with other stakeholders.

Over the past 12 months, the Company has conducted active informational and advocacy campaigns directed toward Alberta and Canadian Government Ministries, MLAs, MPs and regulators. The feedback and support from these stakeholders has been very positive and encouraging. Significant change occurred in the oil sands industry during 2012. Business and economic challenges emerged including delayed pipeline expansion to US markets, increased US domestic production and widening discounts for Canadian crude, particularly from the oil sands. Environmental and political opposition to oil sands bitumen has grown in the United States, Europe and within Canada, particularly in the Province of British Columbia. This changed environment caused the oil sands industry to suspend expansions and review business plans. In 2012, the industry adopted a collective approach to reviewing and prioritizing environmental technologies with the formation of Canada’s Oil Sands Innovation Alliance (“COSIA”). COSIA has reviewed and indentified the most prospective technologies in a Technology Roadmap for the oil sands industry. The Company’s technology has been included in the top 20 prioritized technologies in COSIA’s Technology Roadmap. There is a heightened sensitivity to GHG intensity from oil sands production, given commitments by the provincial and federal governments to reduce carbon emissions. We believe the combination of the economic benefits from additional resource recovery, a new minerals industry, reduction of environmental impacts and the active support and investment by Government favor adoption of our technology.

## Update

During the second fiscal quarter of 2013, the Company continued positive steps toward commercialization with its technology receiving strong endorsements by Government. The Federal Government recognized the Company's technology in its annual budget as an example of successful innovative clean technologies being supported by SDTC. The National Research Council also recently awarded funding to the Company. The Alberta Government is drafting a fiscal structure which is required by the Company and the industry to clarify the fiscal terms for major project investments. The Company completed a four month heavy mineral concentrate pilot at CanmetENERGY, initiated paraffinic testing programs and identified environmental benefits which are highly relevant to the issues currently facing the oil sands industry.

The following are highlights for the three and six month period ended February 28, 2013:

- The Alberta Government is drafting a fiscal framework related to the recovery of minerals and bitumen from oil sands tailings. The framework will provide clarity around royalties, capital cost treatment and other fiscal terms required for planning and investing in the commercial projects.
- During the quarter, the Company completed four months of piloting at CanmetENERGY, producing over 2 tonnes of cleaned heavy mineral concentrates which will be used for zircon flow-sheet testing in Australia and production of final product samples. The Company's technology demonstrated excellent performance during the larger scale pilot with bitumen recoveries averaging 82% and solvent recoveries in the range of 98%. The program was funded in part by a \$1.4 million Canadian Government grant from SDTC awarded in the first quarter of fiscal 2013.
- Company programs are underway at CanmetENERGY to further test the recovery of bitumen, solvent and remediation of paraffinic froth treatment tailings. The Company announced a contribution agreement with the National Research Council's Industrial Research Assistance Program ("NRC-IRAP"), providing funding of \$483,000 toward paraffinic tailings programs. Paraffinic froth treatment is a newer process used by two oil sands operators and represents an additional opportunity for deployment of the Company's technology. The Company's paraffinic technology solutions are built on patented technologies developed for the three naphtha based oil sands operator sites, now ready for implementation.
- The Company continued to achieve successful patent protection of its intellectual property during fiscal 2013. The Company announced the awards of key patents relating to the removal of bitumen from heavy mineral concentrates, the recovery of solvents from oil sands tailings and the recovery of additional

bitumen from fine tailings. These patents support the Company's proprietary solution for environmental remediation of froth treatment tailings and recovery of valuable products currently lost in tailings ponds.

- In response to increasing concerns over the carbon footprint of bitumen production, the Company is undertaking a review of the contribution its CVW™ technologies could make in addressing environmental impacts of solvents and bitumen in tailings ponds and the potential environmental improvements from implementing the Company's technology. The review by independent experts is ongoing and includes independent scientific studies by leading University researchers who have identified tailings ponds as significant sources of GHG emissions and the solvent in tailings as a source of VOC emissions. Scientific studies point to the release of methane gas from tailings ponds, a GHG that has 25 times the intensity of CO<sub>2</sub>, as a significant source of GHG emissions. The studies point to naphtha diluents which are discharged in froth treatment tailings as a source of methane biogenesis (methanogenesis) in large anaerobic settling basin tailings ponds. Scientific studies also point to naphtha dissipation into the atmosphere as a source of VOC emissions. By recovering naphtha from the froth treatment tailings stream before it is discharged to tailings ponds, the Company's technology would significantly reduce GHG and VOC emissions.

## Next Steps

In order to commercialize its technology, deliver increased resource recoveries, provide environmental benefits and create a new minerals export industry, the Company is reliant on the oil sands industry and Government moving forward with on-site projects and fiscal programs. Implementation of the Company's technology involves the construction of large concentrator facilities at oil sands sites which integrate with existing oil sands operations. A minerals separation facility, employing commercial minerals technology uniquely configured for Athabasca mineral sands, would process HMC into final minerals products. The facilities may be jointly owned and operated along with strategic partners.

Next steps and current status include:

- Finalization of fiscal programs by the Alberta Government and Ministerial approval to establish royalties and incentives for heavy minerals and bitumen recovery from tailings: a draft fiscal structure is undergoing internal Government review.
- Review and agreement of the fiscal framework among the oil sands operators, Alberta Government and the Company leading to identification of a first project and business structure: pending finalization of draft framework.
- Completion of engineering and internal review processes by oil sands operators, leading to budgeting and scheduling on-site facilities projects: third party engineering review have been completed by an oil sands

operator; oil sands operators are reviewing project business plans for implementation of the Company's technology.

- Finalizing the design of optimal minerals processing facilities: a final minerals flow-sheet has been developed, bulk sample HMC volumes have been produced at the recent CanmetENERGY pilot and larger volume minerals separation testing is being planned in Australia.
- Partnering, joint venture and financing arrangements: relationships have been established with potential partners that can be activated when a first project is agreed.
- Agreements among partners to build and operate the commercial facilities: pending decisions by industry and Government on the first project.
- Front end engineering and design ("FEED") for bitumen recovery and minerals processing facilities, followed by detailed engineering leading to the procurement and construction phase: preliminary engineering and cost estimates have been completed for concentrator and minerals facilities.

Currently, the Company may be regarded as engaged in the "pre-commercialization" phase whereby ongoing consultations, planning and negotiations are taking place. The oil sands operators have disciplined internal review processes prior to sanctioning on-site projects followed by more detailed front end engineering and design ("FEED"). The Company's objective is to work closely with the oil sands operators and Government to reach commercial agreements during this process.

Following FEED, detailed engineering and construction for an initial site implementation is estimated to take approximately 30 months. Under the terms of the Government funding, the Company is required to develop an industry wide solution for froth treatment tailings. As a result of its collaboration with oil sands operators and Government, the Company expects to identify a first adopter of the technology and negotiate the terms for commercialization.

The Company has reached this advanced stage because of its successful development and demonstration piloting of sustainable technology. The Company's technology offers a compelling value proposition for the recovery of currently wasted resources, the establishment of a new minerals industry and environmental improvements through the reduction of harmful GHG and VOC emissions and reduced river water consumption. The Company remains confident with Government support and the heightened focus on the social license to operate, the oil sands industry will continue to move forward.



## Financial Information & Analysis

### Summary of Selected Quarterly Results

The following table summarizes the financial data of the Company for the most recently completed eight quarters (\$ millions except per share data):

	Q2 Feb 28, 2013	Q1 Nov 30, 2012	Q4 Aug 31, 2012	Q3 May 31, 2012
<b>STATEMENT OF LOSS</b>				
Net Loss	\$ 1.1	\$ 1.3	\$ 0.5	\$ 0.4
Basic and Diluted Loss per Share	\$ 0.02	\$ 0.02	\$ 0.01	\$ 0.01
	Q2 Feb 29, 2012	Q1 Nov 30, 2011	Q4 Aug 31, 2011	Q3 May 31, 2011
<b>STATEMENT OF LOSS</b>				
Net Loss	\$ 0.6	\$ 1.4	\$ 1.7	\$ 3.2
Basic and Diluted Loss per Share	\$ 0.01	\$ 0.02	\$ 0.03	\$ 0.05

The Company is in the development stage and it as yet to earn any revenues. Quarterly losses are comprised of Research and Development (“R&D”) and General and Administrative (“G&A”) expenditures. Changes in quarterly losses are dependent on the level of R&D activity that the Company has engaged in developing the CVW™ suite of technologies.

The following summarizes the Company’s financial results for the three and six month period ended February 28, 2013 as compared to the same period in 2012 and as the year ended August 31, 2012:

- Net loss of \$1.1 million for the three month period ended February 28, 2013 increased by \$0.5 million from \$0.6 million in the comparative three month period ended February 29, 2012 as a result of the operation of the HMC bulk minerals processing and paraffinic tailings pilots at CanmetENERGY’s research facility. Pilot work commenced in September of 2012 and continued for the first six months of the fiscal year. On a year to date basis, R&D spending, before Government grant recoveries, was \$2.7 million for the six month period ended February 28, 2012, which was offset by \$1.3 million in Government grant recoveries. For the six month period ended February 28, 2013, net R&D spending of \$1.4 million was \$0.5 million higher than in the comparative period due to the operational costs associated with piloting. As a development stage company, the net loss was in line with expectations.
- G&A expense was higher by \$0.4 million for the three month period ended February 28, 2013 compared to the three month period ended February 29, 2012 as a result of a recovery of stock-based compensation expenses in the prior year. Except for the recovery of stock-based compensation, G&A remained consistent with the prior year.

- R&D spending, net of government grant recoveries was \$1.4 million, \$0.5 million higher than the three month period ended February 29, 2012 of \$0.9 million as the Company operated pilot programs at the CanmetENERGY facility for the HMC bulk minerals sample and technical work related to the larger volume paraffinic program.
- The Company had \$6.7 million in cash at February 28, 2013 as compared to \$8.4 million at August 31, 2012. All of the cash balances are liquid and are held in interest bearing cash accounts with major Canadian chartered banks. The decrease in cash of \$0.1 million and \$1.7 million respectively for the three and six month periods ended February 28, 2013 relate to R&D activities and G&A expenses incurred which were offset by the receipt of 90% (\$1.3 million) in SDTC grant funding. The remaining 10% will be paid out upon completion of the fourth milestone and final reporting of the SDTC project.
- The Company has accounts receivable in the amount of \$0.6 million, of which \$0.5 million is receivable from SDTC and represents the 10% holdback on the original grant of \$4.9 million. Upon completion of the fourth milestone and final reporting, this balance will be paid to the Company. To date, the Company has received a total of \$5.6 million from SDTC under the terms of the contribution agreement which were amended on October 29, 2012 to include funding for additional project work. The remaining balance of \$0.1 million is a receivable from NRC – IRAP for eligible research expenditures incurred during the current quarter related to the NRC-IRAP contribution agreement for project work on paraffinic tailings. The balance was received in March 2013.

## Research and Development Expenditures

Below is a summary of the R&D expenditures by major category (\$ thousands):

	Three months ended			Six months ended		
	Feb 28, 2013	Feb 29, 2012	Increase (decrease)	Feb 28, 2013	Feb 29, 2012	Increase (decrease)
Compensation and benefits	\$ 144	\$ 192	\$ (48)	\$ 308	\$ 361	\$ (53)
Pilot plant, rent and other	976	399	577	2,415	594	1,821
Government grant recovery	(540)	-	(540)	(1,289)	-	(1,289)
Stock-based compensation	-	(100)	100	-	(12)	12
	<b>\$ 580</b>	<b>\$ 491</b>	<b>\$ 89</b>	<b>\$ 1,434</b>	<b>\$ 943</b>	<b>\$ 491</b>

- For the three month period ended February 28, 2013, R&D spending before government grant recovery, was \$1.1 million as compared to \$0.6 in the quarter ended February 28, 2012. The increase in R&D spending relates to pilot work currently being conducted at CanmetENERGY on larger volume paraffinic

tailings and pre-commercialization minerals development. These R&D activities have been offset by additional government grant funding recognized in the quarter of \$0.7 million, as eligible expenditures are incurred under the SDTC and NRC-IRAP contribution agreements. As the Company incurs project expenditures, the pro rata portion of the funding is recognized as an offset to R&D expenses.

- Compensation and benefits were slightly lower in the current quarter due to a reduction of one technical employee. There was no stock based compensation expense recognized in the three month period ended February 28, 2013 as the fair value of all stock options granted to R&D personnel was fully amortized in the prior fiscal year. In the prior comparable period, the recovery of \$0.1 million in stock based compensation was due to changes in estimates related to the timing of performance based milestones.

## General and Administrative Expenditures

The following table provides details of G&A expenditures for the periods noted (\$ thousands):

	Three months ended			Six months ended		
	Feb 28, 2013	Feb 29, 2012	Increase (decrease)	Feb 28, 2013	Feb 29, 2012	Increase (decrease)
Compensation and benefits	\$ 197	\$ 199	\$ (2)	\$ 397	\$ 401	\$ (4)
Consulting and professional fees	97	154	(57)	184	233	(49)
Directors fees	69	65	4	145	136	9
Travel	45	30	15	89	94	(5)
Rent, insurance and office	52	57	(5)	95	112	(17)
Investor relations and regulatory	102	104	(2)	124	203	(79)
Stock-based compensation*	8	(443)	451	20	(123)	143
	<b>\$ 570</b>	<b>\$ 166</b>	<b>\$ 404</b>	<b>\$ 1,054</b>	<b>\$ 1,056</b>	<b>\$ (2)</b>

- G&A expense was \$0.6 million for the three month period ended February 28, 2013 compared to \$0.2 million for the same period ended February 29, 2012. The increase in G&A expenditures in the current quarter is mainly attributed to the recovery of stock-based compensation in the prior year. Consulting and professional fees are lower in the current quarter as work related to the Alberta Royalty fiscal framework was substantially complete during the quarter. Except for the recovery of stock based compensation in the prior year, G&A is lower for the six month period ended February 28, 2013. With the uncertainty over timing of commercial projects, the Company has focused on cash conservation and rationalization of overheads where possible.

- Interest income decreased to \$0.02 million for the three month period ended February 28, 2013 from \$0.03 million for the same period in fiscal 2012, reflecting a decrease in the Company's cash balances over the comparable three month period ended February 29, 2012.

### **Liquidity and Capital Resources**

The Company had \$6.7 million in cash at February 28, 2013, which compares to \$8.4 million at August 31, 2012. On a year to date basis the cash balance decreased by \$1.7 million as the Company paid for expenses related to the operation of the pilot offset by the receipt of \$1.2 million in cash from Government grants. The cash balance decreased by \$1.6 million in the current quarter ended February 28, 2013 as the Company paid for expenses related to operation of the pilot at CanmetENERGY. The Company's cash balances consist of interest bearing cash accounts held at Schedule I Canadian chartered banks. The Company is in the pre-commercialization stage as it has yet to earn any revenues and is devoting substantially all of its efforts toward commercialization of its technologies. The recoverability of amounts expended on R&D to date is dependent on the ability of the Company to complete pre-commercialization activities, commercialization at oil sands sites, and the ability of the Company to achieve future profitable operations. The Company is dependent on raising funds through the issuance of shares, Government grants and/or attracting partners in order to undertake further development and commercialization of its technology. The Company may not be successful in these endeavors.

The Company has sufficient cash and remaining Government grants to fund its R&D and G&A costs for a period in excess of twelve months. As the Company conducts discretionary R&D and engineering projects, consideration for eligible grant funding will be pursued. Options available to the Company to fund its future cash requirements include, but are not limited to, new or additional Government grants and/or issuances of securities and/or some form of partnership or joint venture; however, as noted above, the Company may not be successful at these endeavors.

The following is a summary of the cash flows for the periods noted:

- Cash used in operating activities for the three month period ended February 28, 2013 was \$1.6 million compared to \$1.2 million for the three month period ended February 29, 2012. Although spending increased on R&D activities related to the pilot, this increase in spending was offset by Government grant recovery, refundable Alberta scientific research & experimental development tax credits, reduced G&A expenses and changes in working capital.
- Cash provided from financing activities for the three month period ended February 28, 2013 was nil. On October 29, 2012, the Company received the advance of a fourth payment of \$1,236,010 from SDTC in

support of a fourth milestone. To date, the Company has received a total of \$5.6 million from SDTC under the terms of the SDTC contribution agreement from a total grant of \$6.3 million.

### **Financial Instruments and Financial Risk Factors**

The Company has, for accounting purposes, designated its cash and cash equivalents as fair value through profit and loss, which are measured at fair value; goods and services tax receivables, Government grant receivables, as loans and receivables. Accounts payables and accrued liabilities are classified for accounting purposes as other financial liabilities. The Company estimates that both the carrying and fair value amounts of the Company's financial instruments are approximately equivalent because of the short-term nature of the assets. This discussion on risks is not all-inclusive and other factors may currently, or in the future, affect the Company. Please refer to our statement of risks and uncertainties more particularly described and updated in the Company's annual information form on SEDAR ([www.sedar.com](http://www.sedar.com)).

#### *Financial risk*

The Company's activities expose it to a variety of financial, credit, liquidity and market risks, including interest rate and foreign exchange rate risks.

Financial risk management is carried out by the Company's management team with guidance from the Audit Committee and the Board of Directors of the Company. The Board of Directors also provides guidance for enterprise risk management.

#### *Credit risk*

Credit risk is the risk of loss associated with a counterparty's inability to fulfill its payment obligations. The Company's credit risk is primarily attributable to cash and cash equivalents. Cash and cash equivalents are held with Schedule I Canadian Chartered banks which are reviewed by management. Management believes that the credit risk concentration with respect to financial instruments is minimal.

#### *Liquidity risk*

Liquidity risk is the risk that the Company will not have sufficient cash resources to meet its financial obligations as they come due. The Company's approach to managing liquidity risk is to ensure that it will have sufficient liquidity to meet liabilities when due. As at February 28, 2013, the Company had aggregate cash and cash equivalents of \$6.7 million (\$8.4 million, August 31, 2012 and \$9.8 million, February 29, 2012) to settle current liabilities of \$1.0 million (\$0.6 million, August 31, 2012 and \$0.5 million February 29, 2012). Most of the Company's financial liabilities have contractual terms of 30 days or less with the remaining due within one year.

### *Market risk*

Market risk is the risk of loss that may arise from changes in market factors such as interest rates and foreign exchange rates.

a) Interest rate risk

The Company's current policy is to invest excess cash in bankers' acceptances and guaranteed investment certificates issued by Schedule I Canadian banks. The Company periodically monitors its investments and the creditworthiness of the banks it holds investments in. As at February 28, 2013, the Company has no bankers' acceptances, guaranteed investment certificates or interest-bearing debt.

b) Foreign currency risk

The Company's reporting and functional currency is the Canadian dollar and most purchases are transacted in Canadian dollars. Some research and development expenses are denominated in US dollars and to a lesser extent, Australian dollars. The Company does not hold any significant balances in foreign currencies to give rise to exposure to foreign exchange risk. Any impact from fluctuations in foreign exchange rates would be minimal and therefore the Company does not hedge its foreign exchange risk.

The Company manages the risks relating to the financial instruments by holding cash in interest bearing accounts at Schedule I Canadian chartered banks. The income statement includes interest income and foreign exchange loss which are associated with the Company's financial instruments.

### **Related Party Transactions**

The Company does not have any related party transactions.

### **Off-Balance Sheet Arrangements**

The Company does not have any off-balance sheet arrangements.

## **Other Information**

### **Outstanding Share Data - as at April 29, 2013:**

Number of common shares – issued and outstanding: 64,179,416

Number of options to purchase common shares : 3,365,400

## Compliance

Mr. Neil Dawson, of Australia, and a registered member of AusIMM is the independent consultant who acts as the Qualified Person for the Company on the CVW™ project.