

# WAVEFRONT

Wavefront Technology Solutions Inc.

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Quarterly Report

For the second

Quarter ended

February 28, 2017



*The following discussion and analysis of financial results should be read in conjunction with the unaudited financial statements and the accompanying notes for the quarter ended February 28, 2017 and February 29, 2016 and is based on information available to April 27, 2017. Additional information on Wavefront Technology Solutions Inc.'s (the "Company" or "Wavefront") is available on SEDAR at [www.sedar.com](http://www.sedar.com).*



## Management's Discussion and Analysis of Financial Condition and Results of Operations

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### MANAGEMENT'S RESPONSIBILITY

Management has prepared this Management's Discussion and Analysis ("MD&A"). The MD&A is based upon Wavefront Technology Solutions Inc.'s (the "Wavefront" or "the Company") financial results prepared in accordance with IFRS. The MD&A primarily compares the unaudited financial results for the second quarter ended February 28, 2017 and February 29, 2016. Management has established and maintains an accounting and reporting system supported by internal controls designed to safeguard assets from loss or unauthorized use and ensure the accuracy of the International Financial Reporting Standard's ("IFRS") financial records (also see section titled "Controls and Procedures" page 19). The financial information presented throughout this MD&A should be read in conjunction with the unaudited condensed consolidated interim financial statements and related notes for the quarter ended February 28, 2017 and February 29, 2016 as well as the audited consolidated financial statements for the period ended August 31, 2016 and 2015 and the related notes.

Unless otherwise indicated, all amounts shown below are in Canadian dollars. Additional information regarding our Company is available on SEDAR, [www.sedar.com](http://www.sedar.com). Such additional information is not incorporated herein, unless otherwise specified, and should not be deemed to be made part of this MD&A.

The Audit Committee of the Board of Directors, whose members are independent as defined in National Instrument 52-110: Audit Committee, met to review the condensed consolidated interim financial statements with management, and has reported to the Board of Directors thereon. On the recommendation of the Audit Committee, the Board of Directors has approved the condensed consolidated interim financial statements on April 27, 2017.

### NON-IFRS MEASURES

The Company uses both IFRS and additional and non-IFRS measures to make strategic decisions, to set targets and use in operating activities, and believes that these non-IFRS measures provide useful supplemental information to investors. "Working capital", "gross profit", "gross profit margin", "other technology revenues", and "EBITDA" are measures used by the Company that do not have a standard meaning prescribed by IFRS and may not be comparable to similar measures used by other companies.

- Working capital is calculated by subtracting current liabilities from current assets. Working capital is a non-IFRS measure with no comparable IFRS measure;
- Gross profit is calculated by deducting cost of sales which includes direct costs, such as direct materials, direct labour, travel related expenditures, sub-contractors, shipping, duties and taxes, from gross revenue. Gross profit margin is calculated by dividing the gross profit by gross revenue. Gross profit is a non-IFRS measure with no comparable IFRS measure;
- Other technologies revenue consists of Primawave and Performance Drilling revenues. Core revenues and Other technologies revenues are non-IFRS measure with the most comparable IFRS measure being revenues, and,
- EBITDA, an acronym for earnings before interest, taxes, depreciation, and amortization, is calculated by adding back all interest, tax, depreciation and amortization to net loss. EBITDA is an additional IFRS measure with the most comparable IFRS measure being net income (loss).



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Non-IFRS measures are viewed as key information as the chief decision maker, being the President and Chief Executive Officer, regularly reviews such measures in making expense and capital investment decisions.

### OVERVIEW OF BUSINESS

As an Oil Field Service ("OFS") provider Wavefront is a leader in injection optimization methods that improve the distribution of fluids in the ground. Wavefront's core technology, marketed under the brand name, "Powerwave<sup>TM</sup>", has proven to increase oil and gas production rates; decrease oil production decline rates; and, reduce chemical costs associated with well stimulation programs.

Powerwave is marketed in two primary areas to exploration and production companies ("E&P's"):

- i. Well stimulation; and,
- ii. Improved or Enhanced Oil Recovery ("IOR/EOR").

A well stimulation is an operation performed on a well to restore or enhance productivity or improve injection. In most instances a chemical is pumped into the well to stimulate a producing or injection interval. In other cases stimulation is used to remove scales such as calcium carbonate or barite, to rid a well of accumulated waxes on tubulars or to remove sand fill.

IOR/EOR targets stranded or bypassed oil in reservoir which is very difficult to produce due to various physical limitations. The common theme in all IOR/EOR (except acoustic or electromagnetic) projects is the injection of a fluid to mobilize bypassed oil.

### OUTLOOK

Recent reports from various sources suggest that the worst oil industry downturn in recent history is over and an upswing in spending this year and beyond looks positive. Though oil prices remain somewhat stable; in the range of US \$50 to US \$55 per barrel, numerous geo-political nuances coupled with the resurgence in US shale oil activity, the sustainability of these prices remains uncertain over the longer term. Although we observe moderate spending increases in the US and Middle East we have not noticed such increased activities in Canada. Globally, we anticipate moderate increases in activity within the well stimulation and IOR/EOR market segments as fiscal conservatism continues to drive E&P activities.

In fiscal 2015 Wavefront made a strategic decision to establish, through local distribution partners, a presence in the Kingdom of Saudi Arabia ("KSA") and Kuwait. The focus in KSA and Kuwait was positioning Wavefront's core technology, Powerwave, in a very competitive well stimulation market. Following a series of pilot tests Powerwave received approval for use with both national oil companies. Wavefront and its distribution partners are making positive inroads in attracting opportunity with 21 pending Powerwave stimulations in KSA and Kuwait. Wavefront's distribution partners do not control the execution timing of this work and are waiting on schedules from the national oil companies to proceed. Outside of KSA and Kuwait but within Wavefront's Middle East focus the Company has 8 pending well stimulations in Oman. Additionally in Oman Wavefront's distribution partner in Oman was awarded the approximate US \$500,000 contract for expanded Powerwave use. This previously anticipated Powerwave program was delayed due to lower and volatile oil prices over the past few years. Powerwave deployment is in the client's scheduling phase and is anticipated to commence in the second half of calendar 2017.



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In Latin and South America Wavefront experienced the loss of an IOR/EOR waterflood project in Brazil due to the fiscal situation of the national oil company, Petrobras. Wavefront continues to have a strong presence in Argentina with Pan American Energy ("PAE") and anticipates further Powerwave uptake with this operator as well as several other Argentinean oil producers who have learned of the increased production and estimated increases in ultimate oil recovery at PAE's Cerro Dragon asset in Southern Argentina. Additionally, in Colombia where Wavefront had, prior to the oil industry downturn, several IOR/EOR waterflood projects with Ecopetrol the Company foresees increased opportunity to re-establish Powerwave with Ecopetrol due to that company's increased capital spending for calendar 2017 and into calendar 2018.

To maximize shareholder value Wavefront continues to look to diversification of its portfolio within the oil and gas sector and has identified several opportunities to have the Company's suite of technology "touch more wells."

### OVERALL RESULTS FROM OPERATIONS

Wavefront operates with one reportable segment that covers all aspects of the Company's business.

Wavefront considers the basis on which it is organized, including the economic characteristics (such as the nature of the products and service and any bundling or cross use thereof, types of customers, operating segment served within the industry and similarity of segments with other OFS companies, quantitative and qualitative thresholds, etc.) and geographic areas, in identifying its reportable segment. The operating segment(s) of the Company is defined as components of the Company for which separate financial information is available and is evaluated regularly by the chief operating decision maker in allocating resources and assessing performance. The chief operating decision maker of the Company is the President and Chief Executive Officer.

Within this MD&A, however, Wavefront provides additional product level information such as revenues by product line and geography, and gross profit margins by product line, as it believes this additional information is useful supplemental information to investors with respect to the development of the business.

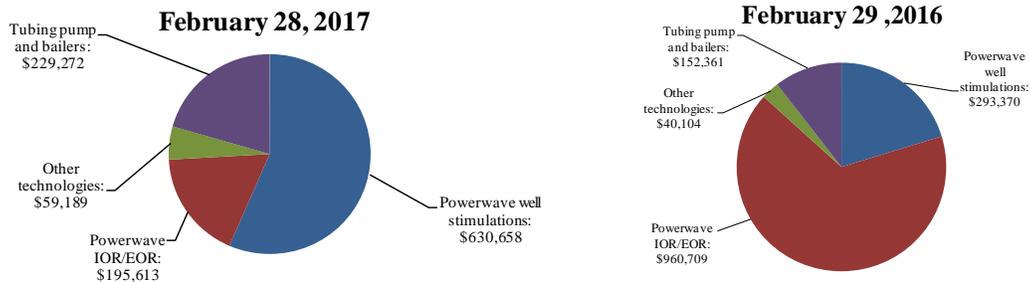
In the second quarter 2017, Wavefront's total revenue amounted to \$480,215, a decrease of \$51,698 over the comparative quarter. The decrease in revenues over the comparative period is principally related to the expiration of certain IOR/EOR projects as described above. The decrease in IOR/EOR projects revenues however, was partially offset by increases in Powerwave stimulation revenues, which increased by \$110,409 over the comparative period.

### Consolidated Results – six months ended February 28, 2017

#### Revenues

Revenues for the six months ended February 28, 2017 were \$1,114,732, a decrease of \$331,812 over the comparative period ended February 29, 2016 that recognized revenues of \$1,446,544. The changes in product line mix can be characterized as follows:

## Management’s Discussion and Analysis of Financial Condition and Results of Operations



Revenue attributed to Powerwave product lines were \$826,271, a decrease of \$427,808 over revenues in the comparative quarter of \$1,254,079. The Powerwave product line revenues can then be broken into short-term projects involving well stimulations and long-term projects related to using Wavefront’s technology in IOR/EOR projects.

For the six months ended February 28, 2017, the total revenue related to Powerwave IOR/EOR projects totalled \$195,613 compared to \$960,709 in the comparative quarter. The decrease in revenue principally relates to the cessation of the prior year’s international work as a result of the erosion of and volatility of oil commodity prices which resulted in the down turn in industry activity.

For the six months ended February 28, 2017, Powerwave revenues related to well stimulations increased 115.0% or by \$337,288 to \$630,658, compared to \$293,370 in the comparative quarter. The increases over the comparative quarter relates to the return of some activity in particular American markets, which increased by an approximated 106.8% or \$188,855, and an increase of approximately 278.5% or \$176,718 in the Middle East. These increases are associated with moderate increases in commodity oil price increases and are a result of on-going marketing efforts with agents and distributors in the Middle East; however, well stimulation revenue remains below historical performance. The Company does not anticipate approaching a return to historical Powerwave revenue levels until such time there is greater activity in the key North American markets coupled with increased revenue from initiatives in the Middle East.

For the six months ended February 28, 2017, revenues from the tubing pumps and bailer product increased by approximately 50.5% or \$76,911 to \$229,272 compared to \$152,361 in the comparative quarter. Tubing pumps and bailer revenues are comprised of tool rental, delivery and refurbishment fees. The Company expects to see continued variation in tubing pump and bailer revenues resulting from lower levels of activities in Western Canada.

For the six months ended February 28, 2017, Other Technology revenues totalled \$59,189 compared to \$40,104 from the comparative quarter. The Company expects to see continued variation in Other Technology revenues quarter over quarter.

Geographically, \$263,030 (2016 – \$317,596) in revenue was generated in Canada, \$381,500 (2016 - \$216,981) from the United States, and \$470,202 (2016 - \$911,967) internationally. Geographic revenues are more specifically described as follows:

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**Canada.** Revenues in our Canadian operation decreased by \$54,566 to \$263,030 compared to \$317,596 in comparative quarter. Powerwave IOR/EOR project revenues totalled \$nil (2016 - \$112,192); Powerwave stimulation revenues in Canada totalled \$24,758 (2016 - \$53,043); Other Technology revenues totalled \$9,000 (2016 - \$nil) and tubing pump and bailer revenues totalled \$229,272 (2016 - \$152,361).

**United States.** Revenues in our United States operations increased by 75.8% or \$164,519 to \$381,500 (2016 - \$216,981). Powerwave stimulation revenues totalled \$365,732 (2016 - \$176,877); and Other Technology revenues totalled \$15,768 (2016 - \$40,104).

**International:** Revenues outside our Canadian and United States operations decreased by \$441,765 to \$470,202 (2016 - \$911,967). For Powerwave IOR/EOR projects revenues totalled \$195,613 (2016 - \$848,517) Powerwave stimulation revenues internationally totalled \$240,168 (2016 - \$63,450); and Other Technology revenues totalled \$34,421 (2016 - \$nil).

### Direct Expenses

IFRS cost of sales includes direct labour, wage benefits and associated stock option benefits, consumable (i.e., inventory) parts, third party installation costs of Powerwave, Tubing Pump and Bailer, and Other Technology product lines.

Any losses related to Powerwave IOR/EOR projects are immediately recognized and have the effect of increasing direct cost for the period in which they occur or are known to occur.

Costs of sales for the six months ended February 28, 2017 were \$381,387 or 34.2% of revenues (February 29, 2016 - \$611,865 or 42.3% of revenues). Costs of sales for international IOR/EOR projects totalled \$136,992 or 70.03% of international Powerwave IOR/EOR revenue. Whereas the costs of sales associated with Powerwave well stimulations approximated 25.4% of Powerwave stimulation revenues.

### Gross Profit

The following table sets out the gross profit margins by product line for the six months ended February 28, 2017:

	Powerwave EOR	Powerwave Stimulation	Tubing pumps & bailers	Other Technologies	Total
Revenues	\$ 195,613	\$ 630,658	\$ 229,272	\$ 59,189	\$ 1,114,732
Costs of sales	136,992	159,894	83,726	775	381,387
	\$ 58,621	\$ 470,764	\$ 145,546	\$ 58,414	\$ 733,345
Gross profit margin (note 1)	30.0%	74.6%	63.5%	98.7%	65.8%

*note 1: Gross profit margin is calculated by subtracting direct costs from revenue and dividing the result by revenue, and is further discussed in Non-IFRS Measures*

The following table sets out the gross profit margins by product line for the six months ended February 29, 2016:



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	Powerwave EOR	Powerwave Stimulation	Tubing pumps & bailers	Other Technologies	Total
Revenues	\$ 960,709	\$ 293,370	\$ 152,361	\$ 40,104	\$ 1,446,544
Costs of sales	458,998	100,352	52,128	387	611,865
	\$ 501,711	\$ 193,018	\$ 100,233	\$ 39,717	\$ 834,679
Gross profit margin (note 1)	52.2%	65.8%	65.8%	99.0%	57.7%

note 1: Gross profit margin is calculated by subtracting direct costs from revenue and dividing the result by revenue, and is further discussed in Non-IFRS Measures

### Other Expenses

Other expenses, i.e., not including costs of goods sold, for the six months ended February 28, 2017, amounted to \$2,557,170, compared to \$2,389,707 in February 29, 2016. The change in expenses was principally a result of the following changes:

- i) General and administrative expenses increased by \$202,858 (February 28, 2017 - \$1,998,402; February 29, 2016 - \$1,795,544) and principally relate to the following:
  - Wage and benefits expenses decreased by \$135,809 to \$588,561. The decrease of wage and benefit expenses principally relates to a decrease in the total number of employees employed. The wage and wage benefits with general and administrative expenses varies based on allocations to costs of goods sold, sales and marketing, or research and development functional expenses categories and due to how much wage is allocated to the manufacturing of new Powerwave tools.
  - Bad debt expenses decreased by \$69,796 to \$37,655. The decrease in bad debt expense principally relates to the bankruptcy of two American based clients in the comparative period.
  - Decreases in public company and listing fees by \$27,580 to \$72,558. The decrease in public company and listing fees principally relate to transfer agent and filing fees.
  - Decreases in repair and maintenance fees by \$26,307 to \$55,060. The decrease in repairs and maintenance fees principally relate to Calgary sales office operating and maintenance costs that were incurred in the comparative period only. The Calgary sales office was vacated in the prior year in response to activity levels and industry conditions.
  - Decreases in vehicle expenses of \$21,117 to \$60,520. The decreases in vehicles expenses principally relates to a decline in vehicle fuel and maintenance expense by \$21,661 as a result of lower sales volume and the use of fewer and newer field trucks.
  - Offsetting the above decreases, the Company saw increases in professional fees of \$195,715 to \$422,602. The increase of professional fees principally relates to the Wavefront initiated patent law suit against Impact Technology Systems AS, American Resources Inc., and, MMB Oil, LLC (together the "Defendants"). During the reporting period the Company incurred professional fees, the majority of which occurred in the first quarter 2017, related to the litigation which approximated \$281,435. The Company will continue to aggressively defend its intellectual property rights against the named Defendants, and as such expenses may vary from quarter to quarter based on the actions to be taken.

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- Consulting fees also increased by \$109,984 to \$207,930 principally relates to the direct engagement of devoted Wavefront Powerwave representation in the Middle East at a cost of \$55,604 in only the current period, as the Company seeks strategies to generate greater number of touches on E&P wells, which is believed that it may increase Powerwave revenues. Additional consulting fees in the current period totaled \$35,117 and relate to reservoir engineering support and Middle East business planning and development assistance.
  - Share based payments also increased by \$165,743 to \$177,640, relates to the valuation and expensing of 1,975,000 incentive stock options issued in the prior year to employees and insiders.
- ii) Amortization and depreciation decreased by \$106,961 to \$167,377 from the comparative quarter. The decrease in amortization and depreciation expense is a result of prior period non-cash impairment charges.
- iii) Selling and marketing expenses increased by \$77,174 to \$322,111. The increase principally relates to an increase in travel and accommodation expenses of \$60,117 related to marketing efforts in the Middle East. Additionally, the Company has seen its marketing expenses increase by \$28,418 due to the allocation of stock option expense. Offsetting these increases, meal and entertainment expenses decreased by \$22,529 as a result of an ongoing effort to manage these expenses relate to more near term revenues.
- iv) Research and development expense remained relatively stable, decreasing by \$5,608 to \$69,280. Of the wage expense within research and development \$41,105 relates to labour of our physicist and reservoir engineer that support our Powerwave product line. Wage expense remained relatively flat, decreasing by \$6,115 as less physics and reservoir engineering research was undertaken. Tool and other research have been managed such that resources are focused on more near term revenues. At present, it is expected that wage expenses related to research and development will be reduced in future periods.

### Net Finance Section of Income

Interest income of \$27,483 (2016 - \$49,971) includes interest earned for the reporting period of \$27,483 (2016 - \$31,709), with the foreign exchange gain of \$18,262 in comparative period. Interest earned was lower as a result of maintaining lower principal balances.

Financing cost of \$2,146 (2016 - \$1,644) includes interest expense for the reporting period of \$1,321 (2016 - \$1,644), with a foreign exchange loss \$825 in the current period only.

### Operating Cash Flows

The following table sets out the cash used in operations for the six months ended February 28, 2017 and February 29, 2016:



## Management's Discussion and Analysis of Financial Condition and Results of Operations

	<b>As at</b>		<b>As at</b>
	<b>February 28, 2017</b>		<b>February 29, 2016</b>
Net loss	\$ (1,798,488)	\$	(1,506,701)
Items not affecting cash			
Share-based payment	230,088		13,384
Amortization and depreciation	167,377		274,338
Interest expense	1,321		1,644
Gain (loss) on disposal of property, plant and equipment	(1,016)		13,039
Impact of foreign translation	(1,544)		(6,550)
Funds used in operations	(1,402,262)		(1,210,846)
Interest paid	(1,321)		(1,644)
Net change in non-cash working capital items	(188,829)		699,829
Cash used in operating activities	\$ (1,592,412)	\$	(512,661)

Cash used in operating activities were negatively impacted by the professional fees amounting to \$281,435 related to the patent law suit the Company initiated as noted above, which increased net losses, and an increase of \$541,694 in accounts receivables which has temporarily affected the net changes in working capital items (see Liquidity section below).

### Net Loss and Comprehensive Loss, and Loss Per Share

The basic and diluted net loss for the six months ended February 28, 2017 increased by \$291,787 to \$1,798,488 (\$0.022 per share), compared to \$1,506,701 (\$0.018 per share) for the comparative period ended February 29, 2016.

Excluding the professional fees noted above the net loss for the six months ended February 28, 2017 was relatively flat increasing by only \$10,352 to \$1,517,053 (\$0.018 per share).

### Earnings before interest tax, depreciation and amortization ("EBITDA")

The following table sets out the Company's EBITDA loss and EBITDA loss per share:

	<b>As at</b>		<b>As at</b>
	<b>February 28, 2017</b>		<b>February 29, 2016</b>
Net loss	\$ (1,798,488)	\$	(1,506,701)
Items not affecting cash			
Amortization and depreciation	167,377		274,338
Interest and tax expense	1,586		5,621
EBITDA	\$ (1,629,525)	\$	(1,226,742)
EBITDA loss per share	\$ (0.020)	\$	(0.015)

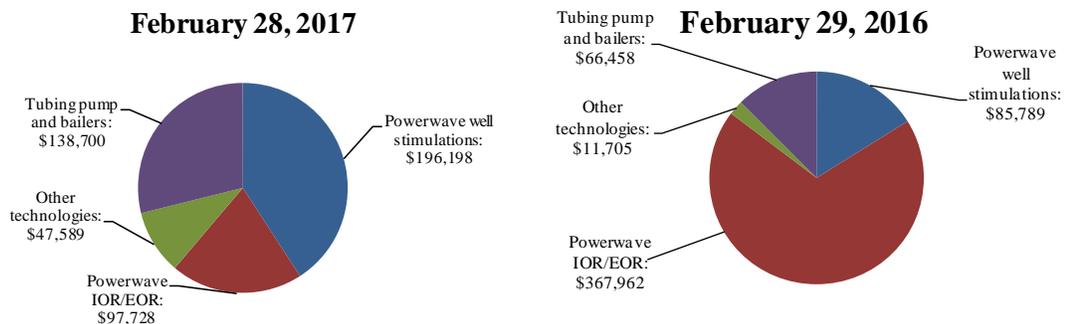
*note 1: EBITDA is calculated by adding back all interest, tax, depreciation and amortization to net loss, and is further discussed in Non-IFRS Measures*

## Management’s Discussion and Analysis of Financial Condition and Results of Operations

### Consolidated Results – three months ended February 28, 2017

#### Revenues

Revenues for the three months ended February 28, 2017 were \$480,215, were relatively flat decreasing \$51,698 over the comparative quarter ended February 29, 2016 that recognized revenues of \$531,913. The changes in product line mix can be characterized as follows:



Revenue attributed to Powerwave product lines were \$293,926, a decrease of \$159,825 over revenues in the comparative quarter of \$453,751. The Powerwave product line revenues can then be broken into short-term projects involving well stimulations and long-term projects related to using Wavefront’s technology in IOR/EOR projects.

For the second quarter 2017, the total revenue related to Powerwave IOR/EOR projects totalled \$97,728, which solely relates to an international project. International IOR/EOR project revenues are denominated in United States currency. At each reporting date all foreign currency projects are re-valued and translated into Canadian currency. Current exchange rates have positively impacted international IOR/EOR project revenue recognition.

For the second quarter 2017, Powerwave revenues related to well stimulations increased by 128.7% or \$110,409 to \$196,198, compared to \$85,789 in the comparative quarter. The increases over the comparative quarter relates to the return of some activity in certain American markets, which increased by an approximated 163.4%, and is the result of focused efforts in the Middle East which saw revenues increase by \$70,357.

For the second quarter 2017, revenues from the tubing pumps and bailer product totalled \$138,700, an increase of \$72,142, compared to \$66,458 in the comparative quarter.

For the second quarter 2017, Other Technology revenues totalled \$47,589 for the reporting quarter compared to \$11,705 from the comparative quarter.

Geographically, \$143,738 (2016 – \$105,508) in revenue was generated in Canada, \$132,553 (2016 - \$57,026) from the United States, and \$203,924 (2016 - \$369,380) internationally. The geographic revenues are more specifically described as follows:



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**Canada.** Revenues in our Canadian operation increased by \$38,230 to \$143,738 compared to \$105,508 in comparative quarter. Powerwave stimulation revenues in Canada totalled \$5,038 (2016 - \$39,050); and tubing pump and bailer revenues totalled \$138,700 (2016 - \$66,458).

**United States.** Revenues in our United States operations increased by \$75,527 to \$132,553 (2016 - \$57,026). Powerwave stimulation revenues totalled \$119,385, an increase of \$74,064 over comparative revenues of \$45,321; and Other Technology revenues totalled \$13,168 (2015 - \$11,705).

**International:** Revenues outside our Canadian and United States operations decreased by \$165,456 to \$203,924 (2016 - \$369,380). For Powerwave IOR/EOR projects revenues totalled \$97,728 (2016 - \$367,962); and Powerwave stimulation revenues internationally totalled \$71,775 (2015 - \$1,418); and Other Technology revenues totalled \$34,421 (2016 - \$nil).

### Direct Expenses

Costs of sales for the three month period ended February 28, 2017 were \$180,640 or 37.6 % of revenues (February 29, 2016 - \$184,203 or 34.6% of revenues).

Costs of sales associated with international Powerwave IOR/EOR projects totalled \$65,150 or 67.7% of international Powerwave IOR/EOR revenue. Costs of sales for all Powerwave stimulations approximated 30.7% of Powerwave stimulation revenues. The product and geographic mix affect overall costs of goods sold.

### Gross Profit

The following table sets out the gross profit margins by product line for the second quarter ended February 28, 2017:

	<b>Powerwave EOR</b>	<b>Powerwave Stimulation</b>	<b>Tubing pumps &amp; bailers</b>	<b>Other Technologies</b>	<b>Total</b>
Revenues	\$ 97,728	\$ 196,198	\$ 138,700	\$ 47,589	\$ 480,215
Costs of sales	65,150	60,247	54,468	775	180,640
	\$ 32,578	\$ 135,951	\$ 84,232	\$ 46,814	\$ 299,575
<b>Gross profit margin (note 1)</b>	<b>33.3%</b>	<b>69.3%</b>	<b>60.7%</b>	<b>98.4%</b>	<b>62.4%</b>

*note 1: Gross profit margin is calculated by subtracting direct costs from revenue and dividing the result by revenue, and is further discussed in Non-IFRS Measures*

The following table sets out the gross profit margins by product line for the second quarter ended February 29, 2016:

	<b>Powerwave EOR</b>	<b>Powerwave Stimulation</b>	<b>Tubing pumps &amp; bailers</b>	<b>Other Technologies</b>	<b>Total</b>
Revenues	\$ 367,962	\$ 85,789	\$ 66,458	\$ 11,704	\$ 531,913
Costs of sales	122,198	39,196	22,809	-	184,203
	\$ 245,764	\$ 46,593	\$ 43,649	\$ 11,704	\$ 347,710
<b>Gross profit margin (note 1)</b>	<b>66.8%</b>	<b>54.3%</b>	<b>65.7%</b>	<b>100.0%</b>	<b>65.4%</b>

*note 1: Gross profit margin is calculated by subtracting direct costs from revenue and dividing the result by revenue, and is further discussed in Non-IFRS Measures*

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### Other Expenses

Other expenses for the second quarter ended February 2017, amounted to \$1,228,076, compared to \$1,183,188 in February 29, 2016. The change in expenses was principally a result of the following changes:

- i) Amortization and depreciation expenses decreased by \$69,789 to \$83,372 from the comparative quarter. The decrease in amortization and depreciation expense is a result of prior period non-cash impairment charges.
- ii) General and administrative expenses increased by \$62,298 (February 28, 2017 - \$971,750; February 29, 2016 - \$909,452) and principally relate to the following:
  - Bad debts decreased by \$52,011 to \$40,223. The decrease in bad debt expense principally relates to the bankruptcy of two companies in the USA in the comparative quarter.
  - Decreases in wage expense of \$26,408 to \$285,987. The decrease of wage and benefit expenses principally relates to a decrease in the total number of employees employed. The wage and wage benefits with general and administrative expenses varies based on allocations to other functional expenses categories and due to how much wage is allocated to the manufacturing of new Powerwave tools.
  - Public company and listing fees decreased by \$12,488 to \$41,148. The decrease in public company and listing fees principally relate to transfer agent and filing fees.
  - Offsetting the above noted decreases was an increase in consultant expenses by \$75,778 to \$128,348 principally relates to the direct engagement of devoted Wavefront Powerwave representation in the Middle East and related reservoir engineering support business planning and development assistance at costs of \$27,409 and \$35,117, respectively.
  - Share based payments also increased by \$66,157 to \$70,964. The increase of share based payments relates to the valuation and expensing of 1,975,000 incentive stock options issued in the prior year to employees and insiders.
- iii) Selling and marketing expenses increased by \$53,808 to \$139,927. The increase principally relates to an increase in travel and accommodation expenses of \$35,926 related to marketing efforts in the Middle East. Additionally, the Company has seen its marketing expenses increase by \$10,469 due to the allocation of stock option expense.
- iv) Research and development expense remained relatively stable, decreasing by \$1,429 to \$33,027. Of the wage expense within research and development \$21,743 relates to labour of a physicist and reservoir engineer that support our Powerwave product line. Wage expense remained relatively flat, increasing by \$3,013 as more reservoir engineer research was undertaken. Tool and other research have been managed such that resources are focused on more near term revenues.



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### Net Finance Section of Income

Interest income of \$13,077 (2016 - \$27,517) includes interest earned for the reporting quarter of \$13,077 (2016 - \$15,651), and foreign exchange gain of \$11,866 in the comparative quarter.

Financing cost of \$15,211 (2016 - \$421) includes interest expense for the reporting period of \$1,229 (2016 - \$421), with a foreign exchange loss \$13,982 in the current period only.

### Operating Cash Flows

The following table sets out the cash used in operations for the second quarter ended February 28, 2017 and February 29, 2016:

	<b>As at February 28, 2017</b>	<b>As at February 29, 2016</b>
Net loss	\$ (930,635)	\$ (808,382)
Items not affecting cash		
Share-based payment	91,049	5,407
Amortization and depreciation	83,372	153,161
Impact of foreign translation	12,758	(7,047)
Interest expense	1,229	421
Loss on disposal of property, plant and equipment	538	13,039
Funds used in operations	(741,689)	(643,401)
Interest paid	(1,229)	(421)
Net change in non-cash working capital items	26,086	379,359
Cash used in operating activities	\$ (716,832)	\$ (264,463)

Cash used in operating activities were negatively impacted by increases in accounts receivables which has temporarily affected the net changes in working capital items (see Liquidity section below).

### Net Loss and Comprehensive Loss, and Loss Per Share

The basic and diluted net loss for the quarter ended February 28, 2017 increased by \$122,253 to \$930,635 (\$0.011 per share), compared to \$808,382 (\$0.010 per share) for the comparative quarter ended February 29, 2016.

### Earnings before interest tax, depreciation and amortization ("EBITDA")

The following table sets out the Company's EBITDA loss and EBITDA loss per share:



## Management's Discussion and Analysis of Financial Condition and Results of Operations

	As at February 28, 2017	As at February 29, 2016
Net loss	\$ (930,635)	\$ (808,382)
Items not affecting cash		
Amortization and depreciation	83,372	153,161
Interest and tax expense	1,494	662
<b>EBITDA</b>	<b>\$ (845,769)</b>	<b>\$ (654,559)</b>
<b>EBITDA loss per share</b>	<b>\$ (0.010)</b>	<b>\$ (0.008)</b>

*note 1: EBITDA is calculated by adding back all interest, tax, depreciation and amortization to net loss, and is further discussed in Non-IFRS Measures*

### LIQUIDITY AND CAPITAL RESOURCES

#### Assets and Liabilities

Total current assets decreased by \$861,073 to \$5,386,091 from the prior year end. Of the net decrease, \$1,619,214 relates to a reduction of cash resources, of which \$1,592,412 was used to fund operations, and \$37,820 was used for the acquisition of additional Powerwave tools, equipment and leasehold improvements.

Trade and other receivables amounted to \$1,065,080 (as at August 31, 2016 - \$444,291), an increase of \$620,789. The increase in trade and other receivables principally relates to increases in trade receivable of \$834,378, receivable accruals of \$98,661 and the accrual of IOR/EOR project revenues amounting to \$195,613. The increase in trade and other receivables reflect timing differences in the underlying work or services being performed and the issuance of invoices and collecting of receivables, the logistics of client payable process, and our financial accounting policy of recognizing Powerwave revenues and direct costs equally over the term of the contracts.

Inventories include the transfer of certain Powerwave tools from fixed asset at the net book value of \$58,715 to inventory, as they are designated to be sold for a bundled IOR/EOR project. The transfer to inventory was classified as a non-working capital change in the interim statement of cash flows.

Prepaid expenses and other current assets increased by \$98,568 to \$142,106 and principally relates to annual insurance premiums paid versus that expensed in current reporting quarter.

Non-current assets included a decrease of \$177,474, of which \$167,377 relates to amortization, transfers of Powerwave tools, with a net book value of \$58,715, to inventory, which is being sold as a part of a new IOR/EOR project with Pan American Energy, with an offset of \$37,820 due to purchases of property, plant and equipment.

#### Liabilities

Total liabilities increased by \$522,508 from the prior year-end to \$1,131,610. Of the liabilities, \$340,370 relates to trade accounts payable and includes \$203,806 related to aforementioned patent infringement lawsuit Wavefront initiated, and \$164,477 relates to accruals related to the Powerwave project costs, design and manufacturing of Powerwave tool inventory, sales and marketing liabilities and other various corporate services. Additionally some of the increase in liabilities relates to the prior year end accruals of professional fees with very little relief of the expenses in the current period.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

### Liquidity

The following table presents working capital information as at February 28, 2017 and August 31, 2016:

	<b>As at February, 2017</b>	<b>As at August 31, 2016</b>	<b>Change</b>
Current assets	5,386,091	6,247,164	(861,073)
Current liabilities	(1,131,610)	(609,102)	(522,508)
Working capital <sup>(note 1)</sup>	4,254,481	5,638,062	(1,383,581)

*note 1: Working capital is calculated by subtracting current liabilities from current assets, and is further discussed in Non-IFRS Measures*

Wavefront believes that its working capital position will continue to fluctuate and that our Company's cash flow break-even will also be affected by the degree of commercialization and the product mixes between Powerwave well stimulation, Powerwave IOR/EOR, as well as its tubing pumps and bailer product line.

The Company did not default nor was it in arrears on any operating lease payments.

### Financings

There were no financings during the reporting or the comparative quarter.

### Capital Resources

Currently, and in addition to the Contractual Commitments (noted below), and in accordance with Wavefront's strategic plan, cash resources will be judiciously managed, however will be used for the following:

- To maintain an inventory of Powerwave tool systems and related activities; and,
- To support strategic marketing efforts related to near-term revenue generation.

There are no known trends or expected fluctuations or restrictions in Wavefront's capital resources.

As of April 26, 2017, Wavefront had \$3,615,009 of cash on hand. Cash on hand is currently negatively impacted by professional fees and growing accounts receivables and accruals.

Professional fees amounting to \$281,435 relate to the patent law suit the Company initiated against Impact Technology Systems AS, American Resources Inc., and, MMB Oil, LLC, the bulk of which was incurred in the first quarter 2017. Although the Company does not see professional fees as recurring it will continue to defend its intellectual property. Cash on hand was also negatively impacted by an anomaly in one clients payables process resulting in delayed payment of \$276,208, and the invoicing and accruals related to an international IOR/EOR project of \$349,291. These two clients amount to 57.7% of receivables. Based on the history with these clients the Company is comfortable with the receivables and anticipates payment in the near term.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

Of the cash on hand, Wavefront has \$3,400,000 in short term Term Deposits on deposit with National Bank Financial. Of the investments, \$2,000,000 is cashable without penalty after June 17, 2016 and matures on March 21, 2017, and \$1,400,000 is cashable on February 21, 2017 and matures on November 22, 2017. The Term Deposits have guaranteed interest rates of 1.35% and 0.95% respectively.

Credit risk on the Term Deposits investment is linked to the insurance coverage limits as prescribed by the Canadian Deposit Insurance Corporation and that of National Bank Financial.

### CONTRACTUAL COMMITMENTS

The Company has entered into long-term contractual arrangements from time-to-time for facilities, lines of credit, and the provision of goods and services. The following table presents contractual obligations arising from these arrangements currently in force:

	Payments Due by Period				
	Total	Less than 1 Year	1 – 3 Years	3 – 5 Years	More than 5 Years
Operating lease obligations	\$ 1,263,550	\$ 269,830	\$ 742,645	\$ 251,075	\$ -

In a prior year, the Company entered into a new office and warehouse space for its Edmonton, Alberta facilities. The office and warehouse lease had a commencement date of February 1, 2011 and a ten year term expiring on January 31, 2021. The future commitment in base rental payments is \$838,286 over the balance of the term.

As well, in a prior year, the Company entered into a new office and warehouse lease in Lloydminster, Alberta. The new facilities were required as our other facilities lease expired and to support our Powerwave stimulation business. The office lease has a commencement date of July 1, 2012 and a ten year term expiring on June 30, 2022. The balance of the future commitment in base rental payments is \$519,680.

The Company is of the opinion that its working capital position of \$4,275,963 as at February 28, 2017 is sufficient to cover its current commitments and operations for the forthcoming 12 months. It is also anticipated that internally generated cash from operations will increase over the long term as Powerwave continues to be commercialized and inducements and incentives decrease. Wavefront may consider future financings based on expected need to finance Powerwave tools, working capital, or acquisitions, and will consider debt financing of its Powerwave tools or an acquisition to better match the assets' life and revenue stream with the financing sources. Any such financing will be dependent on Wavefront's credit rating, quality of licensing contracts, etc.

All future expenditures and investments in capital assets and projects will be governed by the Company's working capital position throughout the year.

### OFF-BALANCE SHEET ARRANGEMENTS

The Company has no off-balance sheet arrangements.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

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### TRANSACTIONS WITH RELATED PARTIES

#### *Expense transaction*

In a prior year the Company entered into a Consulting Agreement with a director of the Company to provide certain services for a monthly fee of US \$5,000 (February 29, 2016 - US \$3,000) per month. During the three and six months ended February 28, 2017, the Company recorded \$19,814 (February 29, 2016 – \$12,197) and \$39,717 (February 29, 2016 – \$24,394), respectively, in consulting expense, with \$nil (August 31, 2016 - \$nil) included in accounts payable and accrued liabilities.

### PROPOSED TRANSACTIONS

At the time of this report the Company has no undisclosed proposed transactions.

### RISK AND UNCERTAINTIES

Other than the below noted the Company's business risks are the same as disclosed in its annual MD&A issued for the year ended August 31, 2016.

*Product Liability, Warranties and Uninsured Risks* – Although the Company maintains insurance to protect against certain risks in such amounts as it considers commercially reasonable, its insurance will not cover all of the potential risks associated with its operations. The sale of products and services may expose the Company to warranty costs or other potential liability resulting from such use. Although product liability insurance is currently maintained, the obligation to pay a claim in excess of insurance could have a material adverse effect on the business, financial condition and future prospects of the Company. Due to the magnitude of insurance premiums and as the exposure of the Company to a catastrophic total loss of the tools is limited to certain situations, which the Company believes has a low probability of occurring, the Company has currently decided to self-insure its tools. Should a catastrophic loss of tools occur it would have a material adverse effect on the business, financial condition and future prospects of the Company.

### ENVIRONMENTAL RISK

The Company's environmental risks are the same as disclosed in its annual MD&A issued for the year ended August 31, 2016.

### CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The Company's critical accounting policies and estimates are the same as disclosed in its annual MD&A issued for the year ended August 31, 2016.

### CHANGES IN ACCOUNTING POLICIES

The changes in accounting policies are disclosed in Note 2, "Statement of Compliance", of the Unaudited Interim Condensed Consolidated Financial Statements for the quarter ended February 28, 2017.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

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### FINANCIAL AND OTHER INSTRUMENTS

Wavefront's significant financial and other instruments consist of accounts receivable, accounts payable and accrued liabilities and interest bearing obligations such as its operating line, and other amounts that will result in future cash outlays.

#### Credit Risk

Credit risk arises from the potential that a counterparty will fail to perform its obligations. Wavefront's financial instruments that are exposed to concentrations of credit risk consist primarily of accounts receivable. Concentrations of credit risk with respect to accounts receivable are limited as the majority of transactions are with large publicly traded corporations or government organizations dispersed across geographic areas. Credit risk, with respect to accounts receivables in Canada and the United States, is also limited due to Wavefront's credit evaluation and cash management processes.

#### Foreign currency risk

Wavefront is exposed to currency risks as a result of its export to foreign jurisdictions of goods produced in Canada or services provided from Canada, and the operational expenses and revenue of foreign operations. These risks are partially covered by purchases of goods and services in the foreign currency. Wavefront does not use derivative instruments to reduce its exposure to foreign currency risk.

#### Fair value of financial instruments

The carrying value of Wavefront's financial instruments approximates their fair value. The estimated fair value approximates the amount for which the financial instruments could currently be exchanged in an arm's length transaction between willing parties who are under no compulsion to act. Certain financial instruments lack an available trading market; therefore, fair value amounts should not be interpreted as being necessarily realizable in an immediate settlement of the instrument.

### SUPPLEMENTARY INFORMATION

#### SUMMARY OF QUARTERLY RESULTS AND LOSS PER SHARE

The following tables sets forth selected data derived from our unaudited condensed consolidated interim financial statements for each of the eight most recently completed quarters. This information should be read in conjunction with the applicable interim unaudited and annual audited financial statements and related notes thereto.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

	2nd Qtr Feb 28 '17	1st Qtr Nov 30 '16	4th Qtr Aug 31 '16	3rd Qtr May 31 '16
Revenue	\$ 480,215	\$ 634,517	\$ 495,116	\$ 794,138
Net Loss	\$ (930,635)	\$ (867,853)	\$ (592,863)	\$ (662,637)
Basic and diluted loss per share	\$ (0.011)	\$ (0.010)	\$ (0.007)	\$ (0.008)
Common shares outstanding				
Weighted average shares outstanding	82,956,240	82,956,240	82,956,240	82,956,240

	2nd Qtr Feb 29 '16	1st Qtr Nov 30 '15	4th Qtr Aug 31 '15	3rd Qtr May 31 '15
Revenue	\$ 531,913	\$ 914,631	\$ 693,681	\$ 1,213,218
Net Loss	\$ (808,382)	\$ (698,319)	\$ (952,640)	\$ (765,016)
Basic and diluted loss per share	\$ (0.010)	\$ (0.008)	\$ (0.011)	\$ (0.009)
Common shares outstanding				
Weighted average shares outstanding	82,956,240	82,956,240	82,956,240	82,956,240

note 1: All amounts in Canadian dollars except share data

### DESCRIPTION OF SHARE CAPITAL

As at February 28, 2017, Wavefront's share capital consisted of the following:

<b>Common shares</b>	
Authorized:	unlimited
Issued and outstanding:	
Free trading	82,956,240
Convertible into common shares	
Incentive stock options	<u>4,325,000</u>
	<u>4,325,000</u>
Fully diluted share capital:	<u>87,281,240</u>

As at April 26, 2017, Wavefront's number of issued and outstanding shares is 82,956,240.

### Market for Securities

The common shares of Wavefront Technology Solutions Inc. are listed on the TSX Venture Exchange under the symbol of WEE. The Company's shares also trade on International OTCQX under the symbol WFTSF.

### Options granted during the quarter

No options were granted during the reporting quarter.



## Management's Discussion and Analysis of Financial Condition and Results of Operations

The Company maintains a Stock Option Plan under which it may grant options for up to 10,771,558 shares of the Company at an exercise price equal to or greater than the market price of the Company's stock at the date of grant. All stock options awarded are exercisable for a period of ten years and vest in equal tranches at three month intervals over a period of eighteen months.

### Options outstanding

As at February 28, 2017

Date Granted	Expiry Date	Number of Incentive Stock Options	Exercise Price per Share \$
March 17, 2015	March 17, 2020	900,000	0.12
August 4, 2016	August 4, 2026	1,975,000	0.28
February 21, 2014	February 21, 2019	825,000	0.315
January 6, 2017	January 6, 2027	75,000	0.35
February 22, 2013	February 22, 2018	475,000	0.38
November 12, 2013	November 12, 2018	75,000	0.41
		<u>4,325,000</u>	

### CONTROLS AND PROCEDURES

Under National Instrument 52-109 *Certification of Disclosure in Issuers' Annual and Interim Filings* ("NI 52-109"), the Company, as a "Venture Issuer" files on an annual basis Form 52-109FV1, the "*Certificate of annual filings – venture issuer basic certificate*" (the "**Annual Form**") which does not include representations relating to the establishment and maintenance of disclosure controls and procedures ("**DC&P**") and internal controls over financial reporting ("**ICFR**"), as defined in NI 52-109. In particular, the certifying officers filing the Annual Form are not making any representations relating to the establishment and maintenance of:

- i) controls and other procedures designed to provide reasonable assurance that information required to be disclosed by the issuer in its annual filings, interim filings or other reports filed or submitted under securities legislation is recorded, processed, summarized and reported within the time periods specified in securities legislation; and,
- ii) a process to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with the issuer's GAAP.

However, the Company's Management, and its certifying officers on the Annual Form are responsible for ensuring that processes are in place to provide them with sufficient knowledge to support the representations they are making in that Annual Form. The Annual Form does contain representations which confirms that management has established processes, which are in place to provide the certifying officers with sufficient knowledge to support their written representations that they have exercised reasonable diligence that (i) the audited annual financial statements do not contain any untrue statement of material fact or omit to state a material fact required to be stated or that is necessary to make a statement not misleading in light of the circumstances under which it is made, as of the date of and for the periods presented by the unaudited interim financial statements and that (ii) the audited annual financial

## Management's Discussion and Analysis of Financial Condition and Results of Operations

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statements fairly present in all material respects the financial condition, results of operations and cash flows of the Company, as of the date of and for the periods presented by the audited financial statements.

The Company's certifying officers of the Annual Form are responsible for ensuring that processes are in place to provide them with sufficient knowledge to support the representations they are making in that certificate. However, the reader should be aware that inherent limitations on the ability of the certifying officers to design and implement, on a cost effective basis, DC&P and ICFR for the Company as defined in NI 52-109, may result in additional risks to the quality, reliability, transparency and timeliness of interim and annual filings and other reports provided under securities legislation, including this Management Discussion & Analysis.

### FORWARD-LOOKING INFORMATION

*Certain statements contained herein regarding Wavefront and its operations constitute "forward-looking statements" within the meaning of Canadian securities laws and the United States Private Securities Litigation Reform Act of 1995. All statements that are not historical or current facts, including without limitation statements regarding future estimates, plans, objectives, assumptions or expectations or future performance of Wavefront and or any of its subsidiaries, as described in the Management Discussion and Analysis above, are "forward-looking statements". Forward-looking information can be identified by the use of the future tense or other forward-looking words such as "believe", "expect", "anticipate", "intend", "should", "may", "could", "would", "objective" "forecast", "position", "intend" or the negative of those terms or other variations of them or comparable terminology. Examples of such forward-looking information in this document include, but are not limited to statements with respect to the following, each of which is subject to significant risks and uncertainties and is based on a number of assumptions that may prove to be incorrect:*

- *under the heading "Outlook" the outlook for Wavefront's business and its long-term plans, including the potential necessity for further cost reductions;*
- *under the heading "Liquidity and Capital Resources", Wavefront's beliefs about its working capital position and cash flow break even and its use of cash; and*
- *under the heading "Contractual Commitments", Wavefront's beliefs about working capital sufficiency and potential sources of financing.*

*We provide this forward-looking information for Wavefront's business in order to describe the management expectations and targets by which Wavefront measures its success and to assist Wavefront shareholders in understanding Wavefront's financial position as at and for the periods ended on the dates presented in this report. Readers are cautioned that this information may not be appropriate for other purposes. **We caution that such "forward-looking statements" involve known and unknown risks and uncertainties that could cause actual results and future events to differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking information.** Such material factors include fluctuations in the acceptance rates of Wavefront's Powerwave and Primawave Processes, demand for products and services, fluctuations in the market for oil and gas related products and services, the ability of Wavefront to attract and maintain key personnel, technology changes, global political and economic conditions. For a more detailed description of these risks, and of other risks to which Wavefront is subject, please see the "Risks and Uncertainties", "Environmental Risk" and "Financial and Other Instruments" sections in this Management Discussion and Analysis. In determining Wavefront's forward-looking statements, Wavefront considers material*



## Management's Discussion and Analysis of Financial Condition and Results of Operations

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*factors including assumptions and expectations regarding customer demand and adoption rates for Wavefront's products; commodity prices and interest and foreign exchange rates; and the availability and cost of inputs, labour and services, patent, technology and competitive risk. Many of these factors are beyond Wavefront's control and have effects which are difficult to predict. These material risk factors and material assumptions are not intended to represent a complete list of the factors that could affect Wavefront; please see other factors that are described in further detail in Wavefront's continuous disclosure filings, from time to time, and available on SEDAR at [www.sedar.com](http://www.sedar.com). Investors and the public should carefully consider these factors, other uncertainties and potential events, and the inherent uncertainty of forward-looking statements when relying on these statements to make decisions with respect to Wavefront.*

*The forward-looking statements contained herein represent Wavefront's expectations at April 27, 2017, and, accordingly are subject to change after such date. Except as may be required by law, Wavefront does not undertake to update any forward-looking statement, whether written or verbal, that may be made from time to time.*

### **ADDITIONAL INFORMATION**

Additional information regarding Wavefront Technology Solutions Inc. can be found on System for the Electronic Document Analysis and Retrieval ("SEDAR" at [www.sedar.com](http://www.sedar.com)).