

FORM 7
MONTHLY PROGRESS REPORT

Name of CNSX Issuer: Micromem Technologies Inc. (the "Issuer").

Trading Symbol: MRM

Number of Outstanding Listed Securities: 431,978,393

Date: October 7, 2021

This Monthly Progress Report must be posted before the opening of trading on the fifth trading day of each month. This report is not intended to replace the Issuer's obligation to separately report material information forthwith upon the information becoming known to management or to post the forms required by the CNSX Policies. If material information became known and was reported during the preceding month to which this report relates, this report should refer to the material information, the news release date and the posting date on the CNSX.ca website.

This report is intended to keep investors and the market informed of the Issuer's ongoing business and management activities that occurred during the preceding month. Do not discuss goals or future plans unless they have crystallized to the point that they are "material information" as defined in the CNSX Policies. The discussion in this report must be factual, balanced and non-promotional.

General Instructions

- (a) Prepare this Monthly Progress Report using the format set out below. The sequence of questions must not be altered nor should questions be omitted or left unanswered. The answers to the items must be in narrative form. State when the answer to any item is negative or not applicable to the Issuer. The title to each item must precede the answer.
- (b) The term "Issuer" includes the Issuer and any of its subsidiaries.
- (c) Terms used and not defined in this form are defined or interpreted in Policy 1 – Interpretation and General Provisions.

Report on Business

1. *Provide a general overview and discussion of the development of the Issuer's business and operations over the previous month. Where the Issuer was inactive disclose this fact.*

The Company continued discussions in August-September with Chevron management relating to plans to commercialize the interwell tracer technology which was previously tested successfully in on site operating wells.

The Company continues discussions with Romgaz on a weekly basis. The Company anticipates an initial purchase order for several interwell tracer devices, similar to the technology that Chevron deployed in the California field trials previously reported. Romgaz has confirmed the terms of these initial purchase orders. The terms include the Company being commissioned to conduct/lead a development program to enhance and expand the analytics capabilities of the existing technology with the end goal of expertise delivering a comprehensive

analytics solution to Romgaz for its specific performance requirements in its gas wells.

The Company and Romgaz are further pursuing discussions whereby the technology application developed as above will be manufactured on a commercial scale in Romania. It is expected that the technology that will be manufactured in Romania will be suitable for both oil and gas well applications.

The Company and Romgaz are moving towards expanding their working relationship to include the development of other technology applications where the Company has been active over the past five years and whereby Romgaz will provide the initial capital to launch this expanded relationship. A joint venture agreement between Micromem and Romgaz is in negotiation with expectations that it will be executed in 2021.

The Company's in-house development team in Toronto has begun the process of reconfiguring the RT Lube Analyzer technology prototypes which were originally developed with Repsol pre-pandemic in 2018-2019. The Company intends to resume our dialogue with Repsol in late 2021 and will assess the go forward business opportunities thereafter.

The Company has launched a product development center in Toronto, Ontario and has hired dedicated chemical and mechanical engineering personnel. This expands our in house resources as we continue our negotiations with Romgaz.

2. *Provide a general overview and discussion of the activities of management.*
The Company was also involved in (a) managing its operations in the midst of the pandemic, (b) preparation and filing of third quarter interim financial statements, and (c) on-going management of and dealing with our governance processes and regulatory requirements.
3. *Describe and provide details of any new products or services developed or offered. For resource companies, provide details of new drilling, exploration or production programs and acquisitions of any new properties and attach any mineral or oil and gas or other reports required under Ontario securities law.*
The Company continues to evaluate potential development opportunities with prospective clients; these efforts have been curtailed as a result of the effects of the COVID-19 pandemic.
4. *Describe and provide details of any products or services that were discontinued. For resource companies, provide details of any drilling, exploration or production programs that have been amended or abandoned.*
No products or services were discontinued.
5. *Describe any new business relationships entered into between the Issuer, the Issuer's affiliates or third parties including contracts to supply products or services, joint venture agreements and licensing agreements etc. State whether the relationship is with a Related Person of the Issuer and provide details of the relationship.*
The Company has not entered any new business relationships.

6. *Describe the expiry or termination of any contracts or agreements between the Issuer, the Issuer's affiliates or third parties or cancellation of any financing arrangements that have been previously announced.*

No contracts or agreements expired or were terminated or cancelled.

7. *Describe any acquisitions by the Issuer or dispositions of the Issuer's assets that occurred during the preceding month. Provide details of the nature of the assets acquired or disposed of and provide details of the consideration paid or payable together with a schedule of payments if applicable, and of any valuation. State how the consideration was determined and whether the acquisition was from or the disposition was to a Related Person of the Issuer and provide details of the relationship.*

The Company did not acquire nor dispose of any assets during the period.

8. *Describe the acquisition of new customers or loss of customers.*

The Company continues to evaluate new potential opportunities. These efforts have been curtailed as a result of the effects of the COVID-19 pandemic.

9. *Describe any new developments or effects on intangible products such as brand names, circulation lists, copyrights, franchises, licenses, patents, software, subscription lists and trade-marks.*

The Company continues to evaluate all of its pending patent applications and the decision to continue with the prosecution of such patent applications on a case by case basis. It has discontinued certain International patents.

10. *Report on any employee hirings, terminations or lay-offs with details of anticipated length of lay-offs.*

The Company's office staff continue to work remotely, and the two University of Toronto Engineering students work at the lab facility. The office staff salaries remain reduced and the Company continues to utilize the Canada Employment Wage Subsidy program from the Federal government for all employees.

11. *Report on any labour disputes and resolutions of those disputes if applicable.*

No such developments have occurred during the period.

12. *Describe and provide details of legal proceedings to which the Issuer became a party, including the name of the court or agency, the date instituted, the principal parties to the proceedings, the nature of the claim, the amount claimed, if any, if the proceedings are being contested, and the present status of the proceedings.*

The Company did not become a party to any new legal proceedings.

The Company continues to pursue payment of the court ordered judgment of damages totalling US\$1,051,739.83 awarded to the Company upon the conclusion on June 29, 2021 of the litigation with Steven Van Fleet, the former CEO of MAST Inc.

13. *Provide details of any indebtedness incurred or repaid by the Issuer together with the terms of such indebtedness.*

The Company extended a convertible debenture totaling \$65,000 CDN for an additional six months.

The Company secured \$124,000 USD of financing through a debenture offering, with an interest rate of 4% per annum. The Company has an option to payout the debenture at any point within the initial 6 months of the term. If the Company does not redeem the debenture within 6 months, a conversion feature option will be made available to the holders.

A portion of the monthly interest payments due on outstanding debentures has been deferred and accrued.

14. *Provide details of any securities issued and options or warrants granted.*

Security	Number Issued	Details of Issuance	Use of Proceeds ⁽¹⁾
Common shares	1,563,754	Settlement of Debt	\$75,000 repayment of debenture

⁽¹⁾ *State aggregate proceeds and intended allocation of proceeds.*

15. *Provide details of any loans to or by Related Persons.*
No new loans to or by related persons.

16. *Provide details of any changes in directors, officers or committee members.*
There were no changes in directors, officers or committee members.

17. *Discuss any trends which are likely to impact the Issuer including trends in the Issuer's market(s) or political/regulatory trends.*
The Company continues to pursue potential customers. Management continues to address all the business of the Company and deal with its regulatory filings. There have been no delays in any regulatory filings as a result of the pandemic in addressing such matters.

Certificate Of Compliance

The undersigned hereby certifies that:

1. The undersigned is a director and/or senior officer of the Issuer and has been duly authorized by a resolution of the board of directors of the Issuer to sign this Certificate of Compliance.
2. As of the date hereof there were is no material information concerning the Issuer which has not been publicly disclosed.
3. The undersigned hereby certifies to CNSX that the Issuer is in compliance with the requirements of applicable securities legislation (as such term is defined in National Instrument 14-101) and all CNSX Requirements (as defined in CNSX Policy 1).
4. All of the information in this Form 7 Monthly Progress Report is true.

Dated: October 6, 2021.

Joseph Fuda
Name of Director or Senior Officer

/s/
Signature
President
Official Capacity

Issuer Details Name of Issuer Micromem Technologies Inc.	For Month End September, 2021	Date of Report YY/MM/D 2021/10/06
Issuer Address 121 Richmond Street West, Suite 304		
City/Province/Postal Code Toronto, Ontario, M5H 2K1	Issuer Fax No. (416) 360-4034	Issuer Telephone No. (416) 364-6513
Contact Name Martha McGroarty	Contact Position Manager	Contact Telephone No. (416) 364-6513
Contact Email Address info@micromeminc.com	Web Site Address http://www.micromeminc.com/	