


Form 52-109F1 - Certification of Annual Filings

I, **William J. Gastle, Chief Executive Officer of Microbix Biosystems Inc.**, certify that:

1. I have reviewed the annual filings (as this term is defined in Multilateral Instrument 52-109 *Certification of Disclosure in Issuers' Annual and Interim Filings*) of **Microbix Biosystems Inc.** (the issuer) for the period ending **September 30, 2008**;
2. Based on my knowledge, the annual filings do not contain any untrue statement of a 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 was made, with respect to the period covered by the annual filings;
3. Based on my knowledge, the annual financial statements together with the other financial information included in the annual filings fairly present in all material respects the financial condition, results of operations and cash flows of the issuer, as of the date and for the periods presented in the annual filings;
4. The issuer's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures and internal control over financial reporting for the issuer, and we have:
  - a. designed such disclosure controls and procedures, or caused them to be designed under our supervision, to provide reasonable assurance that material information relating to the issuer, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which the annual filings are being prepared;
  - b. designed such internal control over financial reporting, or caused it to be designed under our supervision, 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; and
  - c. evaluated the effectiveness of the issuer's disclosure controls and procedures as of the end of the period covered by the annual filings and have caused the issuer to disclose in the annual MD&A our conclusions about the effectiveness of the disclosure controls and procedures as of the end of the period covered by the annual filings based on such evaluation; and
5. I have caused the issuer to disclose in the annual MD&A any change in the issuer's internal control over financial reporting that occurred during the issuer's most recent interim period that has materially affected, or is reasonably likely to materially affect, the issuer's internal control over financial reporting.

Date: January 12, 2009

  
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William J. Gastle  
Chief Executive Officer



Microbix

**Microbix Biosystems Inc.**

265 Watline Avenue  
Mississauga, Ontario  
Canada L4Z 1P3

**EXPLANATORY NOTE**

This Notice accompanies, and should be read in conjunction with, the Form 52-109F1 Certification of Annual Filings of William Gastle, the Chief Executive Officer and James Long, the Chief Financial Officer dated December 30, 2008 (the "Original Certificates") filed by Microbix Biosystems Inc. (the "Issuer") with the Canadian securities regulatory authorities through the System for Electronic Document Analysis and Retrieval ("SEDAR").

The Original Certificates accompanied the annual financial statements filed on SEDAR on December 23, 2008 by the Issuer for the year ended September 20, 2008. However, due to clerical error, the said annual financial statements were inadvertently filed on SEDAR without the accompanying auditors report and notes. On January 12, 2009, the Issuer re-filed the annual financial statements, without amendment, along with the auditors report and notes. Accordingly the Original Certificates should be disregarded by the reader from the date of this notice. As of the date of this notice, the Original Certificates are superseded and replaced by the Form 52-109F1 Certification of Annual Filings of William Gastle, the Chief Executive Officer and James Long, the Chief Financial Officers dated January 12, 2009 filed by the Issuer with the Canadian securities regulatory authorities through SEDAR.

Dated: November 6, 2009

MICROBIX BIOSYSTEMS INC.

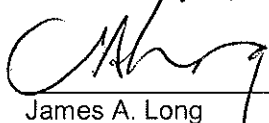
James Long, Chief Financial Officer

Form 52-109F1 - Certification of Annual Filings

I, **James A. Long, Chief Financial Officer of Microbix Biosystems Inc.**, certify that:

1. I have reviewed the annual filings (as this term is defined in Multilateral Instrument 52-109 *Certification of Disclosure in Issuers' Annual and Interim Filings*) of **Microbix Biosystems Inc.** (the issuer) for the period ending **September 30, 2008**;
2. Based on my knowledge, the annual filings do not contain any untrue statement of a 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 was made, with respect to the period covered by the annual filings;
3. Based on my knowledge, the annual financial statements together with the other financial information included in the annual filings fairly present in all material respects the financial condition, results of operations and cash flows of the issuer, as of the date and for the periods presented in the annual filings;
4. The issuer's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures and internal control over financial reporting for the issuer, and we have:
  - a. designed such disclosure controls and procedures, or caused them to be designed under our supervision, to provide reasonable assurance that material information relating to the issuer, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which the annual filings are being prepared;
  - b. designed such internal control over financial reporting, or caused it to be designed under our supervision, 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; and
  - c. evaluated the effectiveness of the issuer's disclosure controls and procedures as of the end of the period covered by the annual filings and have caused the issuer to disclose in the annual MD&A our conclusions about the effectiveness of the disclosure controls and procedures as of the end of the period covered by the annual filings based on such evaluation; and
5. I have caused the issuer to disclose in the annual MD&A any change in the issuer's internal control over financial reporting that occurred during the issuer's most recent interim period that has materially affected, or is reasonably likely to materially affect, the issuer's internal control over financial reporting.

Date: January 12, 2009

  
\_\_\_\_\_  
James A. Long  
Chief Financial Officer



Microbix

**Microbix Biosystems Inc.**

265 Watline Avenue  
Mississauga, Ontario  
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**EXPLANATORY NOTE**

This Notice accompanies, and should be read in conjunction with, the Form 52-109F1 Certification of Annual Filings of William Gastle, the Chief Executive Officer and James Long, the Chief Financial Officer dated December 30, 2008 (the "Original Certificates") filed by Microbix Biosystems Inc. (the "Issuer") with the Canadian securities regulatory authorities through the System for Electronic Document Analysis and Retrieval ("SEDAR").

The Original Certificates accompanied the annual financial statements filed on SEDAR on December 23, 2008 by the Issuer for the year ended September 20, 2008. However, due to clerical error, the said annual financial statements were inadvertently filed on SEDAR without the accompanying auditors report and notes. On January 12, 2009, the Issuer re-filed the annual financial statements, without amendment, along with the auditors report and notes. Accordingly the Original Certificates should be disregarded by the reader from the date of this notice. As of the date of this notice, the Original Certificates are superseded and replaced by the Form 52-109F1 Certification of Annual Filings of William Gastle, the Chief Executive Officer and James Long, the Chief Financial Officers dated January 12, 2009 filed by the Issuer with the Canadian securities regulatory authorities through SEDAR.

Dated: November 6, 2009

MICROBIX BIOSYSTEMS INC.

James Long, Chief Financial Officer

News release via Canada NewsWire, Toronto 416-863-9350

Attention Business Editors:  
Microbix Biosystems Re-files Annual Results With OSC

TORONTO, Nov. 6 /CNW/ - Microbix Biosystems Inc. (the "Company") announces today that it has re-filed the Form 52-109F1 Certification of Annual Filings of William Gastle, the Chief Executive Officer and James Long, the Chief Financial Officer (the "Officer's Certificates") dated January 12, 2009 in connection with the annual audited financial statements for the year ended September 30, 2008.

The Company initially filed the annual financial statements for the year ended September 30, 2008 on SEDAR on December 23, 2008 along with the Officer's Certificates, but the Company inadvertently omitted the auditors report and notes. On January 12, 2009, the Company re-filed the annual financial statements, without amendment, along with the auditors report and notes.

As of the date of this news release, the Officer's Certificates dated December 23, 2008 should be disregarded, as the Officer's Certificates dated January 12, 2009 supersede and replace the Officer's Certificates dated December 23, 2008.

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/For further information: visit [www.microbix.com](http://www.microbix.com) or contact: James Long, CFO, Microbix Biosystems Inc., (416) 234-1626 x 265/  
(MBX.)

CO: Microbix Biosystems Inc.

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