

CERTIFICATE OF AUTHOR

Christopher Jacobs

As co-author of this report entitled “NI 43-101 Preliminary Economic Assessment Study for the Bactech Snow Lake Reclamation Project, Snow Lake, Manitoba, Canada”, with an effective date of 27 August, 2012 (the “Technical Report”), I, Christopher Jacobs, do hereby certify that:

1. I am employed as a mineral economist by, and carried out this assignment for:
Micon International Limited, Suite 900 – 390 Bay Street, Toronto, ON, M5H 2Y2
tel. (416) 362-5135 email: cjacobs@micon-international.com
2. I hold the following academic qualifications:
B.Sc. (Hons) Geochemistry, University of Reading, 1980;
M.B.A., Gordon Institute of Business Science, University of Pretoria, 2004.
3. I am a Chartered Engineer registered with the Engineering Council of the U.K.
(registration number 369178);

Also, I am a professional member in good standing of: The Institute of Materials, Minerals and Mining; and The Canadian Institute of Mining, Metallurgy and Petroleum (Member);
4. I have worked in the minerals industry for 30 years; my work experience includes 10 years as an exploration and mining geologist on gold, platinum, copper/nickel and chromite deposits; 10 years as a technical/operations manager in both open pit and underground mines; 3 years as strategic (mine) planning manager and the remainder as an independent consultant when I have worked on a variety of precious and base metal deposits;
5. I do, by reason of education, experience and professional registration, fulfill the requirements of a Qualified Person as defined in NI 43-101;
6. I have not visited the property that is the subject of the Technical Report;
7. I am responsible for the preparation of Section 22, and the portions of Sections 1, 25 and 26 summarized therefrom, of the Technical Report.
8. I am independent of BacTech Environmental Corporation, as defined in Section 1.5 of NI 43-101;
9. I have had no previous involvement with the property;
10. I have read NI 43-101 and the portions of this report for which I am responsible have been prepared in compliance with the instrument;
11. As of the date of this certificate to the best of my knowledge, information and belief, the sections of this Technical Report for which I am responsible contain all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated this 11th day of October, 2012

“Christopher Jacobs” {signed and sealed}

Christopher Jacobs, CEng MIMMM

CERTIFICATE OF AUTHOR

Bogdan Damjanović

As co-author of this report entitled “A Preliminary Economic Assessment of the Main Zone, J&L Deposit Revelstoke B.C., Canada”, with an effective date of October 11, 2012 (the “Technical Report”), I, Bogdan Damjanović, do hereby certify that:

1. I am employed as a metallurgist by, and carried out this assignment for:
Micon International Limited, Suite 900 – 390 Bay Street, Toronto, ON, M5H 2Y2
tel. (416) 362-5135 email: bdamjanovic@micon-international.com
2. I hold the following academic qualifications:
B.A.Sc., Geological and Mineral Engineering, University of Toronto, 1992
3. I am a Professional Engineer registered with the Professional Engineers of Ontario.
(registration number 90420456);
Also, I am a professional member in good standing of: The Canadian Institute of Mining, Metallurgy and Petroleum (Member);
4. I have worked in the minerals industry for 20 years; my work experience includes 8 years as a metallurgist on gold, copper/nickel and lead/zinc/gold deposits; and the remainder as an independent consultant when I have worked on a variety of precious and base metal deposits;
5. I do, by reason of education, experience and professional registration, fulfill the requirements of a Qualified Person as defined in NI 43-101;
6. I visited the Snow Lake property on January 16-18, 2012;
7. I am responsible for the preparation of Section 13, 17, 18, 19, 20, 23, 24 and the portions of Sections 1, 25 and 26 summarized therefrom, of the Technical Report.
8. I am independent of BacTech Environmental Inc., as defined in Section 1.5 of NI 43-101;
9. I have had no previous involvement with the property;
10. I have read NI 43-101 and the portions of this report for which I am responsible have been prepared in compliance with the instrument;
11. As of the date of this certificate to the best of my knowledge, information and belief, the sections of this Technical Report for which I am responsible contain all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated this 11th day of October, 2012

“Bogdan Damjanović” {signed and sealed}

Bogdan Damjanović, P.Eng.

CERTIFICATE OF AUTHOR

Norman Ralph Newson

I, Norman Ralph Newson, of 205- 3 Apple Street, Brockville, Ontario, do hereby certify as follows:

1. That his certificate applies to a report titled BacTech Environmental Corporation, NI43-1 01 Preliminary Economic Assessment Study for the Bactech Snow Lake Reclamation Project, Snow Lake, Manitoba, Canada, dated effective August 27, 2012.
2. That I am responsible for sections 4.0 to 12.0 inclusive and sections 14.0 and 15.0 of the report identified above, and that these sections have an effective date of July 20, 2011.
3. That I am a graduate geologist, with B.Sc. and M.Sc. degrees from Queen's University at Kingston, Ontario, received in 1964 and 1970 respectively. I have practised my profession continuously since receiving my undergraduate degree, except for the time spent on course and thesis work for my graduate degree.
4. That my qualifications to write a report of this nature derive not only from my academic qualifications, but from increasingly responsible positions in the mining industry, including senior management. I have used the resource estimation methods described herein to estimate reserves in producing mines. My consulting career includes giving advice on metal content of a tailings pond.
5. That I am a Member of the Association of Professional Engineers & Geoscientists of Saskatchewan (with Permission to Consult), a Licensee of the Association of Professional Engineers & Geoscientists of New Brunswick, and a Member of the Association of Professional Engineers & Geoscientists of Manitoba.
6. That I visited the property from May 11 to 13 inclusive, 2011.
7. That I am independent of BacTech Environmental Corporation as described in section 1.5 of the Instrument.
8. That I have had no prior involvement with the subject property of this report.
9. That I believe I am a "qualified person" as defined in the Instrument. I have read the Instrument, and believe that the report has been prepared in compliance with it and with Form 43-101 F1.
10. That, as of the effective date of this report, to the best of my knowledge, information and belief, this report contains all scientific and technical information that is required to be disclosed to make the report not misleading.

The effective date of the parts of this report for which I am responsible is July 20, 2011. Signed at Brockville, Ontario, October 10, 2012.

"N. Ralph Newson" {Signed and sealed}

N. Ralph Newson, M.Sc., P.Eng., P.Geo.

CERTIFICATE OF AUTHOR

Barnard Y. Foo

As co-author of this report entitled “NI 43-101 Preliminary Economic Assessment Study for the Bactech Snow Lake Reclamation Project, Snow Lake, Manitoba, Canada”, with an effective date of 27 August, 2012 (the “Technical Report”), I, Barnard Foo, do hereby certify that:

12. I am employed as a senior mining engineer by, and carried out this assignment for:
Micon International Limited,
Suite 205 – 700 West Pender, Vancouver, BC, V6C 1G8
Tel. (604) 647-6463 Email: bfoo@micon-international.com
13. I hold the following academic qualifications:
 - Laurentian University, B.Eng., Mining Engineering 1998
 - University of British Columbia, M. Eng., Rock Mechanics 2007
 - University of Northern British Columbia, Executive MBA 2010
14. I am a registered Professional Engineers of Ontario (registration number 100052925);
15. I have worked as a mining engineer in the minerals industry for 14 years;
16. I am familiar with NI 43-101 and, by reason of education, experience and professional registration; I fulfill the requirements of a Qualified Person as defined in NI 43-101. My work experience includes 4 years as an mining engineer in cassiterite, base and precious metal deposits, 5 years in underground and open pit geotechnical engineering and 5 years with in mine design and mining project evaluations for the mineral industry;
17. I have not visited the property that is the subject of the Technical Report;
18. I am responsible for the review of Sections 16 and the portions of Sections 1.10, and 26.0 summarized therefrom, of the Technical Report.
19. I am independent of BacTech Environmental Corporation, as defined in Section 1.5 of NI 43-101;
20. I have had no previous involvement with the property;
21. I have read NI 43-101 and the portions of this report for which I am responsible have been prepared in compliance with the instrument;
22. As of the date of this certificate to the best of my knowledge, information and belief, the sections of this Technical Report for which I am responsible contain all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated this 11th day of October, 2012

“Barnard Foo” {signed and sealed}

Barnard Foo, M.Eng., P.Eng., MBA.
Senior Mining Engineer