# NI 43-101 TECHNICAL REPORT ON THE POCONÉ GOLD PROJECT

Geology, Mineralization, and Historic Exploration Results Baixada Cuiabana - Mato Grosso, Brazil

Prepared for ECI Exploration & Mining Inc.



Effective Date: September 1, 2011

Signature Date: September 13, 2011

Prepared by

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# M. Claiborne Newton, III

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#### **CERTIFICATE of AUTHOR**

#### I, M. Claiborne Newton, III, do hereby certify that:

1. I am currently employed as Vice President / Director – Geological Services by ECSI, LLC at:

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- 2. I am a graduate of North Carolina State University with a Bachelor of Arts in Geology (1977), a Master of Science degree in Geological Sciences (1983) from Virginia Polytechnic Institute and State University and a Doctor of Philosophy degree in Geosciences (1990) from the University of Arizona. I have practiced my profession continuously since 1977.
- 3. I am a registered Professional Geologist in the State of Virginia (#2801001736) and am a Qualified Professional Member in good standing of the Mining and Metallurgical Society of America (#01396QP) with recognized special expertise in geology, mining, and ore reserves. I am also a member of the Society of Economic Geologists.
- 4. I have worked as a geologist for a total of 34 years since graduation from university as an employee of three major mining companies and two major engineering and geological consulting firms, as a consulting geologist and as a university instructor.
- 5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 6. I am responsible for the preparation of the technical report entitled "NI 43-101 Technical Report on the Poconé Gold Project, Geology, Mineralization and Exploration Results, Baixada Cuiabana-Mato Grosso, Brazil", dated September 1, 2011 (the "Technical Report"), with specific responsibility for sections 1, 7-15, 17, 18 and 20.
- 7. I have personally completed an independent review and analysis of the data and written information contained in this Technical Report. I most recently visited the property for one day on May 11, 2011.
- 8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

GUSTAVSON ASSOCIATES

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- 9. I do not hold, nor do I expect to receive, any securities or any other interest in any corporate entity, private or public, with interests in the properties that are the subject of this report or in the properties themselves, nor do I have any business relationship with any such entity apart from a professional consulting relationship with the issuer, nor to the best of my knowledge do I have any interest in any securities of any corporate entity with property within a two (2) kilometer distance of any of the subject properties.
- 10. I have read National Instrument 43-101 and Form 43-101, and the Technical Report has been prepared in compliance with that instrument and form.
- 11. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the websites accessible by the public, of the Technical Report.

Dated this 13th day of September 2011

Signature of Qualified Person

"M. Claiborne Newton, III"
Print name of Qualified Person

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#### **CERTIFICATE of AUTHOR**

### I, Donald E. Hulse do hereby certify that:

1. I am currently employed as Principal Mining Engineer by Gustavson Associates, LLC at:

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- 2. I am a graduate of the Colorado School of Mines with a Bachelor of Science in Mining Engineering (1982), and have practiced my profession continuously since 1983.
- 3. I am a registered Professional Engineer in the State of Colorado (35269).
- 4. I have worked as a mining engineer for a total of 25 years since my graduation from university; as an employee of a major mining company, a major engineering company, and as a consulting engineer.
- 5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 6. I am responsible for the preparation of the technical report entitled "NI 43-101 Technical Report on the Poconé Gold Project, Geology, Mineralization and Exploration Results, Baixada Cuiabana-Mato Grosso, Brazil," dated September 1, 2011 (the "Technical Report"), with specific responsibility for the overall organization of the report and general content.
- 7. I have personally completed an independent review and analysis of the data and written information contained in this Technical Report.
- 8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
- 9. I do not hold, nor do I expect to receive, any securities or any other interest in any corporate entity, private or public, with interests in the properties that are the subject of this report or in the properties themselves, nor do I have any business relationship with any such entity apart from a professional consulting relationship with the issuer, nor to the best of my knowledge do I have any interest in any securities of any corporate entity with property within a two (2) kilometer distance of any of the subject properties.
- 10. I have read National Instrument 43-101 and Form 43-101, and the Technical Report has been prepared in compliance with that instrument and form.



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11. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the websites accessible by the public, of the Technical Report.

Dated this 13th day of September 2011

Signature of Qualified Person

"Donald E. Hulse"

Print name of Qualified Person