

## 28.0 CERTIFICATES

### CERTIFICATE OF QUALIFIED PERSON

**EUGENE J. PURITCH, P. ENG., FEC, CET**

I, Eugene J. Puritch, P. Eng., residing at 44 Turtlecreek Blvd., Brampton, Ontario, L6W 3X7, do hereby certify that:

1. I am an independent mining consultant and President of P&E Mining Consultants Inc.
2. This certificate applies to the Technical Report titled “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, (the “Technical Report”) with an effective date of February 7, 2018.
3. I am a graduate of The Haileybury School of Mines, with a Technologist Diploma in Mining, as well as obtaining an additional year of undergraduate education in Mine Engineering at Queen’s University. In addition I have also met the Professional Engineers of Ontario Academic Requirement Committee’s Examination requirement for Bachelor’s Degree in Engineering Equivalency. I am a mining consultant currently licensed by Professional Engineers and Geoscientists New Brunswick (License No. 4778), Professional Engineers, Geoscientists Newfoundland & Labrador (License No. 5998), Association of Professional Engineers and Geoscientists Saskatchewan (License No. 16216), Ontario Association of Certified Engineering Technicians and Technologists (License No. 45252) the Professional Engineers of Ontario (License No. 100014010) and Association of Professional Engineers and Geoscientists of British Columbia (License No. 42912). I am also a member of the National Canadian Institute of Mining and Metallurgy.

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. I have practiced my profession continuously since 1978. My summarized career experience is as follows:

- Mining Technologist - H.B.M. & S. and Inco Ltd.,..... 1978-1980
- Open Pit Mine Engineer – Cassiar Asbestos/Brinco Ltd.,..... 1981-1983
- Pit Engineer/Drill & Blast Supervisor – Detour Lake Mine,..... 1984-1986
- Self-Employed Mining Consultant – Timmins Area,..... 1987-1988
- Mine Designer/Resource Estimator – Dynatec/CMD/Bharti, ..... 1989-1995
- Self-Employed Mining Consultant/Resource-Reserve Estimator,..... 1995-2004
- President – P&E Mining Consultants Inc,..... 2004-Present

4. I have not visited the Property that is the subject of this Technical Report.
5. I am responsible for co-authoring Section 1, 14, 25 and 26 of this Technical Report.
6. I am independent of the Issuer applying the test in Section 1.5 of NI 43-101.
7. I have had prior involvement with the project that is the subject of this Technical Report. The nature of my involvement was as a co-author on technical reports titled, “NI 43-101 Technical Report and Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, effectively dated April 23, 2015 and “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, (the “Technical Report”) with an effective of December 18, 2015.
8. I have read NI 43-101 and Form 43-101F1. This Technical Report has been prepared in compliance therewith.
9. As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Effective Date: February 7, 2018

Signing Date: March 26, 2018

***{SIGNED AND SEALED}***

*[Eugene J. Puritch]*

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Eugene J. Puritch, P.Eng.

# CERTIFICATE OF QUALIFIED PERSON

**DAVID BURGA, P.GEO.**

I, David Burga, P. Geo., residing at 3884 Freeman Terrace, Mississauga, Ontario, do hereby certify that:

1. I am an independent geological consultant contracted by P & E Mining Consultants Inc.
2. This certificate applies to the Technical Report titled “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, (the “Technical Report”) with an effective date of February 7, 2018.
3. I am a graduate of the University of Toronto with a Bachelor of Science degree in Geological Sciences (1997). I have worked as a geologist for a total of 12 years since obtaining my B.Sc. degree. I am a geological consultant currently licensed by the Association of Professional Geoscientists of Ontario (License No 1836).

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.

My relevant experience for the purpose of the Technical Report is:

Exploration Geologist, Cameco Gold.....	1997-1998
Field Geophysicist, Quantec Geoscience .....	1998-1999
Geological Consultant, Andeburg Consulting Ltd.....	1999-2003
Geologist, Aeon Egmond Ltd.....	2003-2005
Project Manager, Jacques Whitford.....	2005-2008
Exploration Manager – Chile, Red Metal Resources.....	2008-2009
Consulting Geologist.....	2009-Present

4. I visited the Property that is the subject of this Technical Report on March 24 and 25, 2015, November 7 and 8, 2015 and December 5 and 6, 2017.
5. I am responsible for authoring Sections 2-12, 15-24 and co-authoring Sections 1, 25 and 26 of this Technical Report.
6. I am independent of the Issuer applying the test in Section 1.5 of NI 43-101.
7. I have had prior involvement with the project that is the subject of this Technical Report. The nature of my involvement was as a co-author on technical reports titled, “NI 43-101 Technical Report and Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, effectively dated April 23, 2015 and “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, with an effective date of December 18, 2015.
8. I have read NI 43-101 and Form 43-101F1 and this Technical Report has been prepared in compliance therewith.
9. As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Effective Date: February 7, 2018

Signing Date: March 26, 2018

***{SIGNED AND SEALED}***

*[David Burga]*

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David Burga, P.Geo.

## CERTIFICATE OF QUALIFIED PERSON

**ALFRED S. HAYDEN, P. ENG**

I, Alfred S. Hayden, P. Eng., residing at 284 Rushbrook Drive, Ontario, L3X 2C9, do hereby certify that:

1. I am currently President of:  
EHA Engineering Ltd.,  
Consulting Metallurgical Engineers  
Box 2711, Postal Stn. B.  
Richmond Hill, Ontario, L4E 1A7
2. This certificate applies to the Technical Report titled “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, (the “Technical Report”) with an effective date of February 7, 2018.
3. I graduated from the University of British Columbia, Vancouver, B.C. in 1967 with a Bachelor of Applied Science in Metallurgical Engineering. I am a member of the Canadian Institute of Mining, Metallurgy and Petroleum and a Professional Engineer and Designated Consulting Engineer registered with Professional Engineers Ontario. I have worked as a metallurgical engineer for over 40 years since my graduation from university.  
  
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.
4. I have not visited the Property that is the subject of this Technical Report.
5. I am responsible for authoring of Section 13, and co-authoring Sections 1, 25 and 26 of this Technical Report.
6. I am independent of the issuer applying the test in Section 1.5 of NI 43-101.
7. I have had prior involvement with the project that is the subject of this Technical Report. The nature of my involvement was as a co-author on technical reports titled, “NI 43-101 Technical Report and Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, effectively dated April 23, 2015 and “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, with an effective of December 18, 2015.
8. I have read NI 43-101 and Form 43-101F1 and this Technical Report has been prepared in compliance therewith.
9. As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Effective Date: February 7, 2018

Signing Date: March 26, 2018

***{SIGNED AND SEALED}***

*[Alfred Hayden]*

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Alfred S. Hayden, P.Eng.

## CERTIFICATE OF QUALIFIED PERSON

### ANTOINE R. YASSA, P.GEO.

I, Antoine R. Yassa, P.Geo. residing at 3602 Rang des Cavaliers Rouyn-Noranda, QC. J0Z 1Y2, do hereby certify that:

1. I am an independent geological consultant contracted by P&E Mining Consultants Inc.
2. This certificate applies to the Technical Report titled “NI 43-101 Technical Report and Updated Mineral Resource Estimate on the Chita Valley Project San Juan Province, Argentina”, (the “Technical Report”) with an effective date of February 7, 2018.
3. I am a graduate of Ottawa University at Ottawa, Ontario with a B.Sc (HONS) in Geological Sciences (1977) with more than 35 years of experience as a geologist. I am a geological consultant currently licensed by the Order of Geologists of Québec (License No 224) and by the Association of Professional Geoscientist of Ontario (License No 1890);

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.

My relevant experience for the purpose of the Technical Report is:

- Minex Geologist (Val d’Or), 3D Modeling (Timmins), Placer Dome 1993-1995
- Database Manager, Senior Geologist, West Africa, PDX, 1996-1998
- Senior Geologist, Database Manager, McWatters Mine 1998-2000
- Database Manager, Gemcom modeling and Resources Evaluation (Kiena Mine) 2001-2003
- Database Manager and Resources Evaluation at Julietta Mine, Bema Gold Corp. 2003-2006
- Consulting Geologist 2006-present

4. I have not visited the Property that is the subject of this Technical Report.
5. I am responsible for co-authoring Sections 1, 14, 25 & 26 of this Technical Report.
6. I am independent of the Issuer applying the test in Section 1.5 of NI 43-101.
7. I have had no prior involvement with the Property that is the subject of this Technical Report.
8. I have read NI 43-101 and Form 43-101F1 and this Technical Report has been prepared in compliance therewith.
9. As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Effective date: February 7, 2018

Signing Date: March 26, 2018

*{SIGNED AND SEALED}*

*[Antoine R. Yassa]*

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Antoine R. Yassa, P.Geo.