

From: Daniels Scott TRAIL
Sent: Friday, August 05, 2016 4:10 PM
To: 'Ron Cardinall'; 'gerald.chik@bcassayer.com'; 'John Gravel'; 'John Andrew'; 'Ng, Lawrence (Vancouver)'
Subject: BC Certified Assayers Foundation & Advisory Council, Committee Meeting

Hi Everyone,

A few hiccups, but glad everyone set aside time today for our meeting and that we were all able to get together by telephone. Below are meeting minutes –sorry I might not have capture everything, but I think I caught the most important outcome regarding a recommended “audit-by-survey” that would be conducted by the Ministry of Energy Mines & Petroleum Resources. If I missed anything, just let me know and I’ll re-issue these meeting minutes. I’ve taken liberties to propose the name “audit-by-survey” to try and address the issue that was mentioned regarding a survey response rate of 50% is considered high.

Best regards,
Scott

BC CERTIFIED ASSAYERS FOUNDATION & ADVISORY COUNCIL, COMMITTEE MEETING

The purpose of this meeting was to review results from individual SWOT (Strengths, Weaknesses, Opportunities, Threats) analyses –see attachment. This review was primarily being done to assess what if anything the Foundation can do to address a number of threats and weaknesses that were identified.

Meeting Minutes

Attendees: Ron Cardinall, John Gravel, Lawrence Ng, Gerald Chik, John Andrews & Scott Daniels

The meeting was called to order at 1.20 pm by Ron Cardinall.

It was generally agreed that most SWOT analyses were similar: SWOT analyses submitted are attached.

A number of questions were asked, discussed and answered.

1. **QUESTION.** Are there possibilities and advantages to having BC Assayer Certification recognized under ISO.

ANSWER. ISO is an international organization and they would likely not be interested in having their standards being specific to provincial jurisdictions.

2. **QUESTION.** To address a number of threats that were identified, could BC Assayer Certification take place under the umbrella of a larger organization, e.g. the Chartered Chemists of Ontario, APEGBC or the Applied Science Technologists & Technicians of BC (ASTTBC).

ANSWER. While this is a good idea, as a group we have investigated this at length in the past. Previous investigations have determined that the cost of this path would not be satisfactory to Assayers or Industry; the latter likely being the group who would most likely have to carry the burden of this cost that was estimated to be about \$1,000/y for membership. Membership costs would have to cover costs required by the larger, umbrella organization, plus costs as are currently required to maintain the board of examiners and examinations.

3. **QUESTION.** Should we take on the role of being an enforcement group, or a group being responsible for compliance with the [ACT](#)?

ANSWER. After lengthy discussion, and as a response to this question, our current path forward was decided: we will draft an “Audit-By-Survey” that our government representative will send out to all testing labs in BC that are conducting “Assays” as defined in the [ACT](#).

MISCELLANEOUS POINTS

1. Environmental testing labs conducting ARD (Acid Rock Drainage) testing would fall under the work of “Assaying” as defined in the [ACT](#).
2. Before we look further into issues related to threats, we need to assess “what’s going on in our back yard.” This is understood to mean: 1) Are testing labs that require compliance with the [ACT](#), compliant?, 2) Does the Assaying Industry want and require Assayer Certification?, 3)...
3. It should be noted that individuals conducting “Assays” as defined in the [ACT](#), must either be BC Certified Assayers or working under the supervision of a certified assayer. To make this clear, relevant sections of the [ACT](#) are inserted below.

Offence

19 (1) Unless a person holds a certificate granted under this Act, the person must not do any of the following:

- (a) by advertisement or otherwise, offer the person's services as a certified assayer;
- (b) ask or receive payment for performing an assay, not performed under the supervision of a certified assayer;
- (c) give a written statement of the result of an assay performed by the person.

(2) A person who contravenes this section commits an offence.

Definitions for sections 14 to 21

14 In sections 14 to 21:

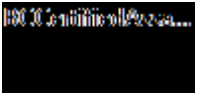
"assay" means the quantification of an element in a sample of rock, mineral, ore or metallurgical product;

ACTIVITIES

1. Assemble a list of names (Companies and Persons) responsible for testing labs in BC that conduct assaying as defined in the [ACT](#). (Ron)
2. Compose questions that will form the audit/survey that will be sent by the BC Ministry of Energy Mines & Petroleum Resources to testing labs in BC that conduct “Assays” as defined in the [ACT](#). A list is started below. (ALL will participate in this exercise, sending them to Scott and cc to Ron)
3. Summarize proposed questions and circulate to all. (Scott)
4. Next step(s), e.g. editing and shortening our list of questions and discussion with Alexei Rukhlov. (Ron)

PROPOSED QUESTIONS FOR GOVERNMENT AUDIT-BY-SURVEY OF MINERAL TESTING LABORATORIES PERFORMING ASSAYS AS DEFINED IN THE [ACT](#).

1. How many full-time technicians are in your lab?
2. How many technicians in your lab participate in assaying, i.e. “the quantification of an element in a sample of rock, mineral, ore or metallurgical product?” Do note that this would include environmental testing work like ARD testing (Acid Rock Drainage).
3. List your BC Certified Assayers by name and provide the official titles that they are employed under:
4. How many of your lab’s BC Certified Assayers are full-time employees?
5. How many of your lab’s BC Certified Assayers conduct assaying as defined above?
6. How many of your lab’s BC Certified Assayers carry the title “Supervisor” in your laboratory?
7. What value do BC Certified Assayers bring to your organization?
8. Is your laboratory able to recruit the number of BC Certified Assayers that you wish to hire?
9. Would it be a problem for your laboratory if the [ACT](#) was changed and your lab was no longer required to have Government of BC Certified Assayers? If yes, explain the problem.
10. To assure quality, does your laboratory have customers who require that you have Government of BC Certified Assayers?
11. To assure quality, does your laboratory have customers who require that your laboratory have test methods accredited to the ISO17025 standard?



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