



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

December 23, 2010

Mr. Agustin Gomez de Segura
CIGMA Metals Corp.
P.O. Box 73529
1014 Robson Street
Vancouver, British Columbia V6E 4L9

**Re: CIGMA Metals Corp.
Form 10-K for Fiscal Year Ended December 31, 2009
Filed September 20, 2010
File No. 0-27355**

Dear Mr. Gomez de Segura:

We have reviewed your filing and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by amending your filing, by providing the requested information, or by advising us when you will provide the requested response. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your filing and the information you provide in response to these comments, we may have additional comments.

Form 10-K for Fiscal Year Ended December 31, 2009

1. We note you have not filed interim reports for the fiscal quarters ended March 31, 2010, June 30, 2010 and September 30, 2010. Please comply with your reporting obligations under Rule 13a-13 of Regulation 13A without further delay.

General

2. We note that your website and some press releases refer to or use the terms “measured,” “indicated,” and “inferred,” resources. If you continue to make references on your web site or press releases to reserve measures other than those recognized by the SEC, please accompany such disclosure with the following cautionary language or provide a legal disclaimer tab or page:

Cautionary Note to U.S. Investors -The United States Securities and Exchange Commission permits U.S. mining companies, in their filings with the SEC, to disclose only those mineral deposits that a company can economically and legally extract or produce. We use certain terms on this website (or press release), such as “measured,” “indicated,” and “inferred” “resources,” which the SEC guidelines strictly prohibit U.S. registered companies from including in their filings with the SEC. U.S. Investors are urged to consider closely the disclosure in our Form 10-K which may be secured from us, or from our website at <http://www.sec.gov/edgar.shtml>.

Please indicate the location of this disclaimer in your response.

3. We note that a comparison of your website, <http://www.cigmametals.com/> and your filing does not reflect the information available and does not serve to provide a complete summary of the information to your investors. Please summarize and paraphrase the information from your technical reports in the description of the property and your plans for this property.

Properties, page 12

4. Please disclose the following information for each of your properties:
- The nature your ownership or interest in the property.
 - A description of all interests in your properties, including the terms of all underlying agreements and royalties.
 - Describe the process by which mineral rights are acquired at this location and the basis and duration of your mineral rights, surface rights, mining claims, or concessions.
 - An indication of the type of claim or concession such as placer or lode, exploration or exploitation, whether the mining claims are State or Federal mining claims, patented or unpatented claims, mining leases, or mining concessions.

- Please include certain identifying information, such as the property names, claim numbers, grant numbers, mining concession name or number, and dates of recording and expiration that is sufficient to enable the claims to be distinguished from other claims that may exist in the area or your properties.
- The conditions that must be met to retain your claims or leases, including quantification and timing of all necessary payments, annual maintenance fees, and disclose who is responsible for paying these fees.
- The area of your claims, either in hectares or in acres.

Please ensure that you fully discuss the material terms of the land or mineral rights securing agreements, as required under paragraph (b)(2) of Industry Guide 7.

5. Please disclose the information required under paragraph (b) of Industry Guide 7 for all your material properties listed under this heading. For any properties identified that are not material, please include a statement to that effect, clarifying your intentions. For each material property, include the following information:
- The location and means of access to your property, include the modes of transportation utilized to and from the property.
 - Any conditions that must be met in order to obtain or retain title to the property, whether you have surface and/or mineral rights.
 - A brief description of the rock formations and mineralization of existing or potential economic significance on the property.
 - A description of any work completed on the property and its present condition.
 - The details as to the modernization and physical condition of the plant and equipment, including subsurface improvements and equipment.
 - A description of equipment, infrastructure, and other facilities.
 - The current state of exploration of the property.
 - The total costs incurred to date and all planned future costs.

- The source of power and water that can be utilized at the property.
- If applicable, provide a clear statement that the property is without known reserves and the proposed program is exploratory in nature.

You may refer to Industry Guide 7, paragraphs (b) (1) through (5), for specific guidance pertaining to the foregoing, available on our website at the following address:

www.sec.gov/about/forms/industryguides.pdf

6. Please disclose whether your property has been physically examined in the field by a professional geologist or mining engineer. If not, please add a risk factor that addresses the fact that your property has not been examined, detailing the risks to your investors.
7. Please insert a small-scale map showing the location and access to each material property, as required by Instruction 3(b) to Item 102 of Regulation S-K. Please note the EDGAR program now accepts Adobe PDF files and digital maps, so please include these maps in any amendments that are uploaded to EDGAR. It is relatively easy to include automatic links at the appropriate locations within the document to GIF or JPEG files, which will allow figures and diagrams to appear in the right location when the document is viewed on the Internet. For more information, please consult the EDGAR manual, and if additional assistance is required, please call Filer Support at (202) 551-3600 for Post-Acceptance Filing Issues or (202) 551-8900 for Pre-Acceptance Filing Issues. We believe the guidance in Instruction 3(b) of Rule 102 of Regulation S-K would generally require maps and drawings to comply with the following features:
 - A legend or explanation showing, by means of pattern or symbol, every pattern or symbol used on the map or drawing.
 - A graphical bar scale should be included. Additional representations of scale such as "one inch equals one mile" may be utilized provided the original scale of the map has not been altered.
 - A north arrow.
 - An index map showing where the property is situated in relationship to the state or province, etc., in which it was located.
 - A title of the map or drawing, and the date on which it was drawn.

- In the event interpretive data is submitted in conjunction with any map, the identity of the geologist or engineer that prepared such data.

Any drawing should be simple enough or of sufficiently large scale to clearly show all features on the drawing.

8. On a related point, it appears you should also expand your disclosure concerning the exploration plans for the properties to address the following points.

- Disclose a brief geological justification for each of the exploration projects written in non-technical language.
- Give a breakdown of the exploration timetable and budget, including estimated amounts that will be required for each exploration activity, such as geophysics, geochemistry, surface sampling, drilling, etc. for each prospect.
- If there is a phased program planned, briefly outline all phases.
- If there are no current detailed plans to conduct exploration on the property, disclose this prominently.
- Disclose how the exploration program will be funded.
- Identify who will be conducting any proposed exploration work, and discuss what their qualifications are.

9. Detailed sampling provides the basis for the quality estimate or grade of your mineral discovery. Please provide a brief description of your sample collection, sample preparation, and the analytical procedures used to develop your analytical results. In addition, please disclose any Quality Assurance/Quality Control (QA/QC) protocols you have developed for your exploration program. These procedures would serve to inform potential investors regarding your sample collection and preparation, assay controls, sample custody, assay precision and accuracy procedures and protocols.

Closing Comments

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

You may contact Tracie Towner at (202) 551-3744, or Kimberly Calder at (202) 551-3701, if you have questions regarding comments on the financial statements and related matters. You may contact Ken Schuler, Mining Engineer, at (202) 551-3718 with questions about engineering comments. Please contact me at (202) 551-3299 with any other questions.

Sincerely,

Mark Shannon
Branch Chief