

Från: Tim Hicks <tw@galson-sciences.co.uk>
Skickat: den 1 december 2020 12:53
Till: Strömberg, Bo
Kopia: Tamara Baldwin
Ämne: Extension of the QA review of the LOT S2 and A3 copper corrosion analysis

SSM registration number 2020-3872; Activity number: 3030015-01

Dear Bo,

We have discussed the idea of pursuing the option to extend the LOT experiment QA review assignment to include an additional 100 hours as indicated in the contract. The additional time would be needed to cover:

- A review of the methods used to analyse the corrosion of copper coupons and tubes from the LOT S2 and A3 parcels to be undertaken by Prof. John Scully (Professor of Materials Science and Engineering and Department Head, The University of Virginia).
- Additional QA review effort from Tim Hicks and Tamara Baldwin to ensure successful completion of the review report and to guide and check the review contributions from Prof. Scully. Note that interactions with MKG, including consideration of MKG's concerns and questions about SKB's copper corrosion analysis, review of SKB's many project management documents, and participation in the four review meetings with SKB has required a large part of the originally committed 200 hrs, and we believe that additional time is required to ensure successful completion of the project review report.

I have discussed the review with Prof. Scully and we propose the following:

- Prof. Scully to provide an expert review of SKB report TR-20-14, focusing on how the methods of analysis have been applied and whether alternative methods could have been used, and how the results have been interpreted and whether there are credible alternative interpretations of the results.
- The review will be completed by the end of January 2021, including time for one round of review in mid-January.
- The review will be provided as a separate report to the main project review report, but could be incorporated into the main report if required.
- This will require 26 hrs of Prof Scully's time at a rate of SEK 2,556/hr.

The additional effort from Tim Hicks and Tamara Baldwin to work with Prof. Scully and to undertake the additional work to complete the project review report will require:

- 55.5 hours from Tim Hicks at SEK 1,667/hr
- 18.5 hours from Tamara Baldwin at SEK 1,391/hr

Note that the rates for Tim Hicks and Tamara Baldwin are as agreed in the contract with SSM.

Thus, the total cost for the 100 hour project extension is **SEK 184,746**.

I hope that this is consistent with our discussions, but let me know if any clarifications are needed.

Best regards

Tim

Dr Tim Hicks

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