

SHORT COURSE SC3: QA/QC AND SAMPLING

Presenter:

Rene Sterk

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Date:

Saturday 6 April (one day)
8:00am–5:00pm



Short course description

This course is not designed to simply tick boxes on personal development sheets or CVs. It will give participants actual tools to tackle critical quality control assessments and teaches how to implement and maintain a good QA programme. Sampling theory can be dry material and therefore this course focuses on practical aspects of sampling: What do people have to know and apply to make sure their samples are accurate, precise and therefore representative?

The course will address the concepts of QA and QC and how to create programmes with solid data quality management. A statistical background of the tools will be explained, and several basic exercises will be provided.

Many believe that we insert QC samples to keep the JORC police happy, and thereby completely missing the opportunity to improve the quality of the data, which, ultimately, underpins every business decision the company makes. Even though this is only a one-day course, it goes well beyond the usual teachings in courses on this subject and breaks down the concepts so that they are easy to understand.

This course applies not only to geologists, but also geo-technicians, database managers, and senior management staff. If managers do not have an appropriate appreciation of the importance of QAQC and proper sampling, then decisions will be made on potentially flawed data. The course will describe some case studies of how poor attention to QAQC has resulted in huge losses.

Schedule

08:00–09:00	Introduction, Concepts, Rationale
09:00–09:05	Break
09:05–10:35	Quality Assurance, Quality Control, Precision, Accuracy and Bias, Representivity
10:35–10:50	Break
10:50–12:50	Basic Statistics, Blanks, Standards, Duplicates, Setting Up QAQC Programme
12:50–13:40	Lunch
13:40–14:40	Sampling Introduction and Rationale, Sampling Theory
14:40–14:55	Break
14:55–16:25	Sampling Scenarios, Sample splitting, Laboratory Process, Variography
16:25 – 17:00	Case Studies and Practical Applications

Rene Sterk MSc FAusIMM CP(Geo) MAIG (RPGGeo) MSEG MInstD

Rene is a geologist and a passionate industry professional with multi-commodity experience in exploration, resource development, and mining environments. Rene specialises in exploration management for gold and base metals, with a strong skill set in resource modelling, grade control, reconciliation, QA/QC and successful sampling. René has delivered resource evaluation, training and geological consulting throughout Africa, Asia, Europe

and Oceania in a wide variety of geological settings and commodities. He has led numerous exploration and mine geology teams in Australia, New Zealand, Indonesia, Philippines, Mongolia, Zimbabwe, South Africa, Mozambique, Ghana, Sweden and Mali. He is the principal author of several Canadian NI 43-101 and JORC resource studies for gold mines in Africa and has assisted clients with exploration programs for these projects and others.

Details

Included:

- Morning and afternoon tea, coffee and accompanying snacks.
- Electronic version and hard-copy print outs of presentations.

Not included:

- Lunch (bring your own or purchase during the 50-minute lunch break).

Minimum number of participants:

- 15.

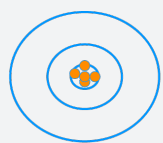
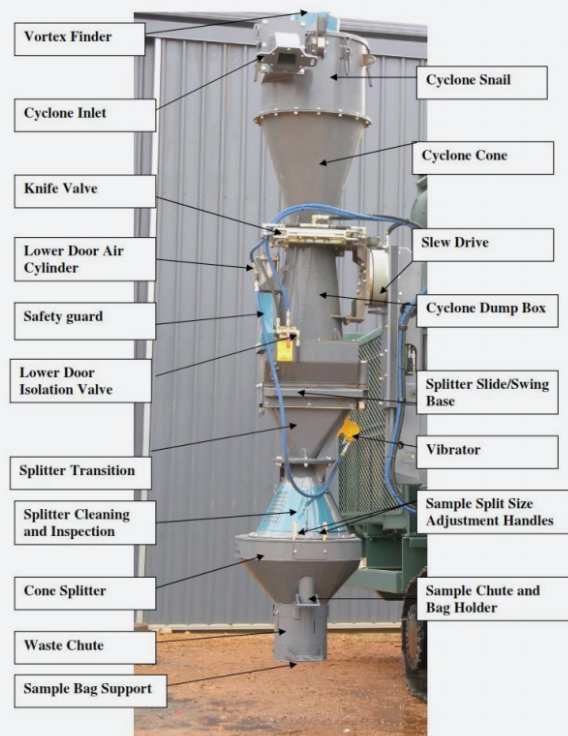
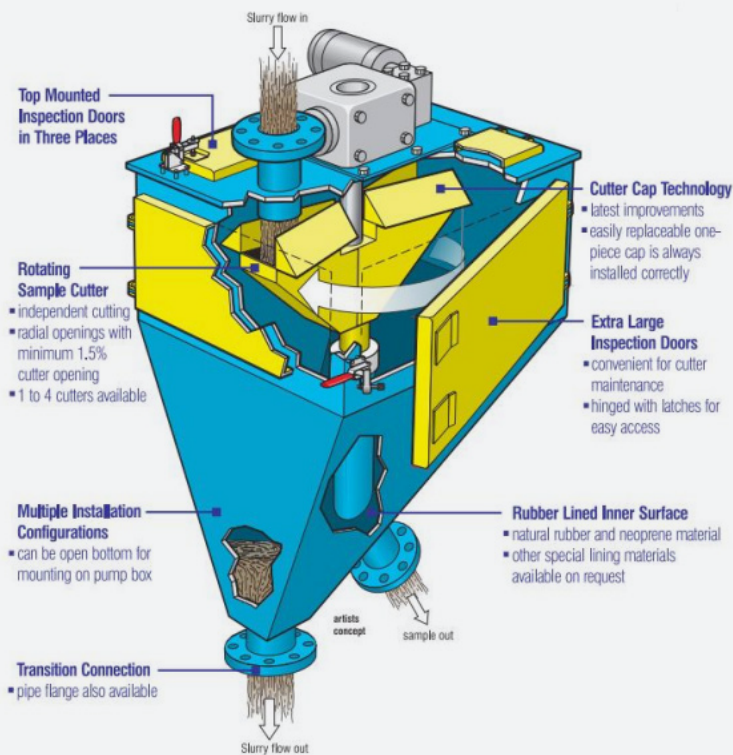
Cost:

- \$250 for members.
- \$350 for non-members.
- \$50 for students.
- Cost includes morning and afternoon coffee/tea.

Further information:

- Email Rene Sterk at r.sterk@rscmme.com.





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