SAGD Process Optimization & Troubleshooting Techniques

A way to Improve Productivity and Efficiency

Topics covered include:

- Process Variability
- Process Dynamics
- Control Loop Performance
- Impact of Process Design
- Identifying Process Variability
- Attenuating Disturbances
- Troubleshooting Loop Problems
- Managing Process Variability

High process variability compromises the economic performance of SAGD processes through off-quality product and reduced process efficiency. Upgrading controller tuning, control valve response and control strategies are relatively easy pathways to reducing variability on key SAGD loops, thereby improving overall process performance. Improving the troubleshooting skills of process control personnel is another pathway to improved performance via quick and effective response to control loop problems.

Course Fees…

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<tr>
<th>Currency</th>
<th>Fee</th>
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<tbody>
<tr>
<td>CDN</td>
<td>$2,500.00</td>
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<tr>
<td>USD</td>
<td>$2,300.00</td>
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(Canadian Taxes Included.) Fees include a full set of course notes.

Course is limited to 20 participants to provide individual attention and allow our expert instructors to address specific mill issues.
This four day course is intended to strengthen the student's ability to optimize process performance. The first half of the course focuses on improving control loop performance. The measurement of process dynamics and Lambda tuning are the key topics. The second half of the course focuses on troubleshooting techniques, and management approaches to maintaining a low variability operation.

SAGD process and control systems are throughout the lectures to illustrate the course concepts. Approximately 30% of the course is devoted to a simulation lab where the course concepts are practised.

Who Should Attend...

The course is primarily intended for process engineers, instrumentation engineers and operations management personnel who want to improve their ability to troubleshoot process control and variability problems. The course explores the implications of process equipment and therefore would be beneficial for maintenance and design engineers.

Instructors...

Doug Nelson, P.Eng. has over 30 years of pulp and paper process control experience. He has authored papers on paper machine dryer control, control valve selection and the uses of process simulation in optimization surveys.

George Jablonsky, AScT has over 25 years of industry experience in process control, instrumentation and optimization in the pulp and paper industry. He has held positions both in operations and maintenance management.