

Australasian HRSG Users Group (AHUG) Conference and Workshops

13 - 15 December 2011 | Brisbane, QLD



Conference Agenda

Tuesday 13 & Wednesday 14 December, Room P1 & P2 Plaza Level

Tuesday: Conference

| | |
|-------------|--|
| 7:15 | Registration |
| 8:00 | Opening comments |
| 8:15 | Open floor discussion |
| 9:30 | Morning tea |
| 10:00 | Reheater tube failure CHARLES THOMAS, QUEST INTEGRITY GROUP |
| 10:45 | TRU Energy - Tallawarra CCGT LP Steam Purity Issues Case Study: Drum design carry over DAVID ADDISON, THERMAL CHEMISTRY LIMITED Redesign and Installation of Transition Duct Liner System at Osborne Cogeneration TROY SEMMLER, OSBORNE COGENERATION PTY. LTD. |
| 11:15 | HRSG - Pressure drop remediation Contact's experience at the Otahuhu combined cycle power plant MARK UTLEY, CONTACT ENERGY |
| 12:00 | Working Lunch within Exhibition |
| 1:00 | Optimum Cycle Chemistry for combined cycle HRSG plants BARRY DOOLEY, STRUCTURAL INTEGRITY ASSOCIATES |
| 1:45 | HRSG Chemistry and Thermal transient progress JOHN BLAKE, AND SCOTT DRYSDALE, STANWELL CORPORATION Cleaning the outside surfaces of HRSG Tubing KEITH BOYE, PRECISION ICEBLAST CORPORATION |
| 3:00 | Afternoon tea |
| 3:30 | Degassed cation conductivity in presence of organic additives LUKAS STAUB, SWAN ANALYTICAL INSTRUMENTS |
| 4:15 | An update on Contact's experience at TCC GRANT TEESDALE, CONTACT ENERGY |
| 5:00 | Day 1 concludes |
| 5:00 - 7:00 | Networking drinks - pre-function area of P1 & P2 |

Wednesday: Conference

| | |
|-------|--|
| 8:00 | Open floor discussion |
| 9:30 | Morning tea |
| 10:00 | Innovative NDE takes HRSG header replacement off the critical path PASCAL DECOSSEMAEKER, ALSTOM (SWITZERLAND) LTD. |
| 10:45 | Updates by attendees & open floor discussion ANITA ZUNKER, CONTACT ENERGY |
| 11:15 | Presentation & open discussion |
| 12:00 | Working Lunch within Exhibition |
| 1:00 | Presentation & open discussion |
| 1:45 | Updates by attendees & open floor discussion AUSTRALIAN IAPWS COMMITTEE, GARY JOY NEW ZEALAND IAPWS COMMITTEE, DAVID ADDISON |
| 3:00 | Afternoon tea |
| 3:30 | HRSG high energy piping with particular reference to grade 91 JEFF HENRY, STRUCTURAL INTEGRITY ASSOCIATES |
| 4:15 | Updates by attendees & Open floor discussion Presentation by operators |
| 5:00 | Day 2 concludes |

Australasian HRSG Users Group (AHUG) Conference and Workshops

13 - 15 December 2011 | Brisbane, QLD



Workshops Agenda

Thursday, 15 December: Room P1 & P2, Plaza Level

Non-Destructive Examination (NDE) for HRSGs

PRESENTED BY : ALLEN PORTER, STRUCTURAL INTEGRITY ASSOCIATES AND
CHRIS JONES, QUEST

| | |
|-------|---|
| 7:15 | Registration |
| 8:00 | <p>NDE Basics</p> <ul style="list-style-type: none"> • NDE METHOD SELECTION • NDE TECHNIQUES <ul style="list-style-type: none"> » Surface connected flaws » Component thickness » Volumetric flaws |
| 9:45 | Morning tea |
| 10:15 | <p>Specific NDE Topical</p> <ul style="list-style-type: none"> » HRSG high energy pipe » Steam side oxide experiences on T91 tubing & HRSGs » Attemperator damage (NDE experiences); and » Hydrogen damage detection experiences in HRSGs » General discussion on HRSG NDE |
| 12:00 | Working Lunch within Exhibition |

Diagnosing and Correcting HRSG Attemperator Problems

PRESENTED BY : BOB ANDERSON, COMPETITIVE POWER RESOURCES AND
ORY SELZER, CCI VALVE

This workshop will focus on interstage attemperation and cover numerous topics such as: system design, hardware, installation, controls, and of course common problems.

Starting with the basics, the workshop will provide attendee with enough knowledge and exposure to diagnose any current or possible future problems within their systems.

Numerous case studies will be presented and open discussion of existing concerns is welcomed and counted on.

| | |
|------|--|
| 1:00 | <p>1. Application Basics</p> <ul style="list-style-type: none"> a. Function and Location within a HRSG b. Operation and Control <p>2. Attemperator Designs</p> <ul style="list-style-type: none"> a. Physics of Desuperheating b. Hardware c. Installation d. Examples of numerous variations in HRSG design |
| 2:45 | Afternoon tea |
| 3:15 | <p>3. Case Studies</p> <ul style="list-style-type: none"> a. Examples of common problems b. Diagnosing and solving the problems <p>4. Summary and Discussion</p> |
| 5:00 | Day 3 concludes |