<u>Agenda</u>

Motor-Operated Valve Users' Group Annual Meeting

January 16—18, 2012 Marriott Rivercenter San Antonio, Texas, USA

| 3:00 - 7:00 PM | Early Registration | Registration Desk |
|----------------|---|-------------------|
| 7:00 - 9:00 PM | Steering Committee Meeting (Committee Members Only) | |

Limitorque actuators)

Monday, January 16, 2012

| 7:00 - 8:30 AM | Continental Breakfast (Conference or Exhibitor Badge required) | Exhibit Hall |
|----------------|--|--------------|
|----------------|--|--------------|

7:00 - 8:30 AM Registration Registration Desk

| MUG Committee Meetings | Salon E |
|---|-----------------------|
| Limitorque Technical Advisory Group (TAG) (Open to Utility Members and Vendors that support | John Arnold, Chairman |

9:30 AM- 10:00 AM Morning Break

8:00 - 9:30 AM

Exhibit Hall

Dominion - Kewaunee Power Station

10:00 - 11:30 AM Open Discussion Forum Facilitator

11:30 AM – 1:00 PM Hosted Lunch & Networking Break (included with Registration fee) **Exhibit Hall**

| | MUG General Session # 1 | Salon E |
|-----------------|---|---|
| | | |
| 1:00 – 1:15 PM | Opening Remarks and Roll Call | Gary Foster - FirstEnergy Corp. MOV Users' Group Chairman |
| 1:15- 1:30 PM | BWROG Update | Ted Neckowicz - BWROG VTRG Chairman |
| 1:30 – 1:45 PM | PWROG Update | Chad Smith – PWROG Chairman |
| 1:45 – 2:00 PM | USA/STARS MOV Team Update | Tim Scoggins – USA/STARS |
| 2:00 – 2:30 PM | History with the Circulating Water System Pump Discharge Valves | Mike McGehearty – South Texas Project |
| 2:30 - 3:00 PM | Afternoon Break | Exhibit Hall |
| 3:00 - 3:20PM | JOG Justification of Kewaunee Class D Unbalanced Globe Valves | Jimmie Pearson – Dominion Corp. John Arnold – Kewaunee |
| 3:20 – 3:40 PM | Using JOG to Meet GL 96-05 Creates New Configuration Control Issues | Mike Williamson – Diablo Canyon, PG&E |
| 3:40 – 4:00 PM | JOG Implementation & Results at Susquehanna | Dave Przyjemski – Susquehanna, PPL |
| 4:00 – 4:30 PM | Implementation of JOG & OMN-1 at Palo Verde | Domingo Cruz – Palo Verde, APS Ron Kropp – Palo Verde, APS |
| 4:30 - 6:30 PM | Welcome Reception | Exhibit Hall |
| 6:30 - 10:00 PM | Hospitality Events | Check Signs |

Tuesday, January 17, 2012

| 7:00 - 8:00 AM | Registration | Registration Desk |
|------------------|---|---|
| 7:00 - 8:00 AM | Continental Breakfast (Conference or Exhibitor Ba | adge required) Exhibit Hall |
| | MUG General Session # 2 | Salon E |
| | | |
| 8:00 – 8:30 AM | EPRI Standardized Task Evaluation (STE) for Valve Maintenance and Diagnostics | Don Cullers – EPRI |
| 8:30 – 9:00 AM | Status of Regulatory Activity on Motor Operated Valves | Michael Farnan – NRC |
| 9:00 – 9:30 AM | OM Code Requirement for MOVs | Kevin DeWall – Idaho National Laboratory |
| 9:30 – 10:00 AM | Morning Break | Exhibit Hall |
| 10:00 – 10:20 AM | MOV Hot Short IEN 92-18 Evaluation Lessons Learn | David McKibbin – DP Engineering |
| 10:20 – 10:40 AM | Update on Efforts to Address MOVs in Transition to NFPA 805 | Paul Knittle – MPR |
| 10:40 – 11:00 PM | Tackling Weak Link and Hot Short Evaluations to address MOV Operability, Structural Integrity and Functionality | Ike Ezekoye – Westinghouse Michael Feneley – Comanche Peak |
| 11:00 – 11:20 PM | T-Head Design Methodology for Motor Operated Gate Valve | Dave Dwyer – Crane Nuclear |

11:30 PM - 1:00 PM Hosted Lunch & Networking Break (included with Registration fee) Exhibit Hall

| | MUG General Session # 3 | Salon E |
|-----------------|---|--|
| | | |
| 1:00 – 1:20 PM | AC Powered MOV Actuator Speed under Dynamic and Design Basis Conditions | Ron Kropp – Palo Verde, APS |
| 1:20 – 1:40 PM | MOV Setup Plot - A Tool to Show Valve Setup and Anticipate Behavior of Rising Stem Valves | Steve Sayovitz – Perry, FENOC |
| 1:40 – 2:00 PM | Disc Stem Separation on LPCI Injection Valve | Bill Trappett - Browns Ferry, TVA |
| 2:00 – 2:20 PM | New Business/Voting | Gary Foster - MUG Chairman |
| 2:30 - 3:00 PM | Afternoon Break | Exhibit Hall |
| 3:00 – 3:20PM | Dominion "Revised" EPRI Unwedging Method to Define Maximum Closing Thrust | Paul Knittle – MPR Dan Ludwig – North Anna, Dominion |
| 3:20 – 3:40 PM | Design and Baseline Testing of MOVs for Generation 3+ Nuclear Power Generating Plants | Floyd Bensinger – Flowserve Matthew Hobbs – Flowserve |
| 3:40 – 4:00 PM | Packing Friction and PMT Lessons Learned | Doug VanTassell – AP Services |
| 4:00 – 4:20 PM | A Simplified MOV Margin Evaluation Method for MOV Gear Ratio Change | Zhilin Dong – Callaway, Ameren |
| 4:30 - 6:30 PM | Vendor Displays/Reception | Exhibit Hall |
| 6:30 - 10:00 PM | Hospitality Events | Check Signs |

Wednesday, January 18, 2012

7:00 - 8:00 AM Continental Breakfast (Conference or Exhibitor Badge required) Exhibit Hall

MUG Users Group & Limitorque Training Meetings

| Users | Group | Track - | Salon | R/F |
|--------------|-------|---------|-------|------|
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8:00 – 8:45 AM AREVA Update Vedat Ataman, AREVA

8:45 – 9:30 AM Teledyne Update Mike Richard, Teledyne

9:30 – 10:15 AM Crane Update Patrick Gilbert, Crane

Limitorque Training Track - Conference Room 17/18

8:00 – 8:45 AM Introduction to ½ Turn MOV Actuation – John Arnold - Dominion -

Design Attributes Kewaunee

8:45 – 9:30 AM Introduction to ¼ Turn MOV Actuation – John Arnold - Dominion -

Maintenance Techniques Kewaunee

9:30 – 10:15 AM Introduction to ¼ Turn MOV Actuation – John Arnold - Dominion -

Lessons Learned Kewaunee

10:15 - 10:45 AM Morning Break Exhibit Hall

| | MUG Final Reports | Salon B/F |
|------------------|--------------------------------------|---|
| 10:45 – 11:10 AM | TAG Committee Report | John Arnold - Dominion - Kewaunee |
| 11:10 – 11:45 PM | Limitorque Update | Kyle Ramsey – Limitorque |
| 11:45 – 12:00 PM | Closing Comments | Gary Foster - FirstEnergy Corp. MOV Users' Group Chairman |
| 12:00 PM | MUG Adjourn | |
| 12:00 – 1:00 PM | Co - Hosted Lunch & Networking Break | ((included with Registration fee) Exhibit Hall |

Thank you for joining us this year. Please make plans to attend our next Motor-Operated Valve Users Group (MUG) Conference in January 2013 in San Antonio, Texas:

2013 Motor-Operated Valve Users Group (MUG) Conference

January 14th – 16th, 2013

Marriott Rivercenter Hotel

San Antonio, Texas, USA

www.movusersgroup.com