

Summer Meeting  
of the Petroleum Environmental Research Forum (PERF)  
with Lawrence Berkeley National Laboratory  
July 11-13, 2006  
Air Emissions and Control Technologies

**Hosted by**

**Chevron Richmond  
Technology Center**

100 Chevron Way  
Richmond, California

**Lawrence Berkeley  
National Laboratory**

1 Cyclotron Road  
Berkeley, California



**Tuesday, July 11, 2006**

- 15:00 PERF Board Meeting (Invitation Only), Chevron Richmond Technology Center  
19:00 PERF Board Dinner (Invitation Only)

**Wednesday, July 12, 2006**

- 07:00 Shuttle departs from DoubleTree to Chevron RTC (limited visitor parking on-site)  
07:30 On-Site Meeting Check-In/Package Pickup and Continental Breakfast  
08:10 Meeting Opening – Dave Fashimpaur, PERF Chairman  
08:30 Chevron Welcome and Opening Presentation – KC Mathew, General Manager Health, Environment, and Safety Technology Department, Chevron Energy Technology Company  
09:00 **Technical Presentations:**  
Novel Air Emissions Monitoring Techniques – Chris Rabideau (Chevron)  
NMVOC Recovery from Tanker Loading – Raymond Drummond (Genesis)  
10:15 Break  
10:45 **Technical Presentations:**  
NOx controls and DLE in Cold Climates – Jim Pfeiffer (BP)  
NOx Reduction at a Refinery – John Cain (Chevron)  
12:00 Lunch at Chevron Richmond Technology Center  
13:15 **Technical Presentations:**  
Evolving Air Regulations in Europe – Mike Innerarity (ExxonMobil)  
High Throughput Discovery of CO Oxidation/VOC Combustion Catalyst – Joel Cizeron (Symyx Technologies)  
Update on Smart Leak Detection and Repair – John Wilkinson (ExxonMobil)  
15:00 Break

## Wednesday, July 12, 2006

- 15:30 PERF Upstream and Downstream Breakout Sessions
- 16:45 Upstream and Downstream Breakout Session Reports
- 17:15 Close of First Day
- 17:30 Shuttle Returns to DoubleTree Berkeley Marina
- 18:30 Reception and Dinner Sponsored by Chevron – DoubleTree Berkeley Marina

## Thursday, July 13, 2006

- 07:00 Shuttle departs DoubleTree for LBNL (individual/visitor parking pre-arranged with LBNL)
- 07:30 On-Site Meeting Check-In/Package Pickup and Continental Breakfast
- 08:00 Meeting Opening – Dave Fashimpaur (PERF Chair)
- 08:15 Welcome and Orientation – Nancy Brown (LBNL)
- 08:30 **Technical Presentations:**
  - Air Toxics – Brett Singer (LBNL)
  - Aerosols – Melissa Lunden (LBNL)
  - Caldecott Tunnel Studies – Rob Harley (UCB)
- 10:00 Break
- 10:30 Mark Levine – Director, Environmental Energy Technology Division, Lawrence Berkeley National Laboratory
- 10:45 **Technical Presentations:**
  - Seasonal Modeling of Central California – Nancy Brown (LBNL)
  - Climate Modeling – Surabi Menon (LBNL)
- 12:00 Lunch at Lawrence Berkeley National Laboratory
- 13:00 Tour of Lawrence Berkeley National Laboratory – Advanced Light Source, Combustion Lab, Aerosol Laboratory
- 15:00 Tour End/Break
- 15:15 **Technical Presentation:**
  - Blodgett Field Studies – Allen Goldstein (UCB)
  - Aerosol Chemical Composition, Humidity, and Visibility – Shaheen Tonse (LBNL)
- 16:15 PERF Business Meeting – Dave Fashimpaur (PERF Chair)
- 17:00 Meeting Close
- 17:15 Shuttle departs for DoubleTree Berkeley Marina