

## Final Plenary Consultation MDEC Conference 2009

Sheraton Parkway, Toronto North,  
Richmond Hill  
October 4-9, 2009

**Mahe Gangal**  
**MDEC Conference, Co-Chair**



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## MDEC Mission Statement

Mining Diesel Emissions Council is committed to providing a global forum for the dissemination of the latest scientific and technologically advanced research to reduce and control diesel emissions in the mining workplace environment

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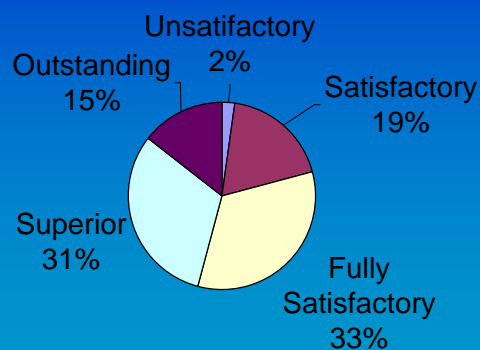
## Summary - MDEC Conference 2008

- October 5-10, Sheraton Parkway, Richmond Hill
- Number of delegates registered = 107
- October 5-6: Field trip (Vale Inco mine & CANMET-MMSL)
- October 7: Diesel Workshop by Dr. Magdi Khair
- October 8-9: Technical Presentations
- Keynote on Health effects by Dr. Joe Mauderly
- Keynote on DPM by Dr. Stewart Gilles
- October 10: Roundtable Forum

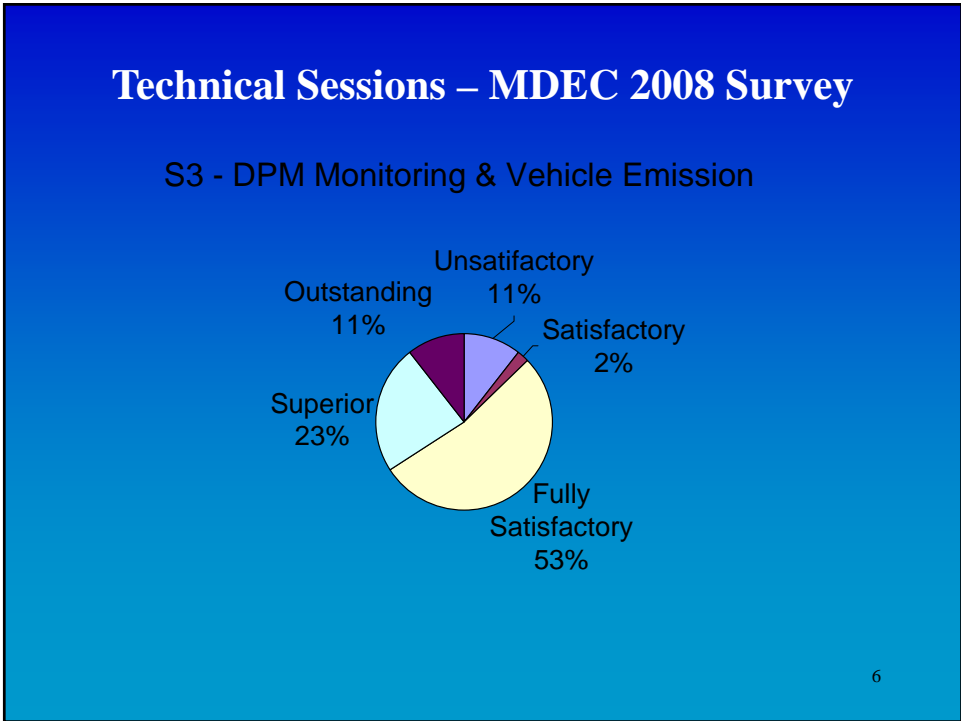
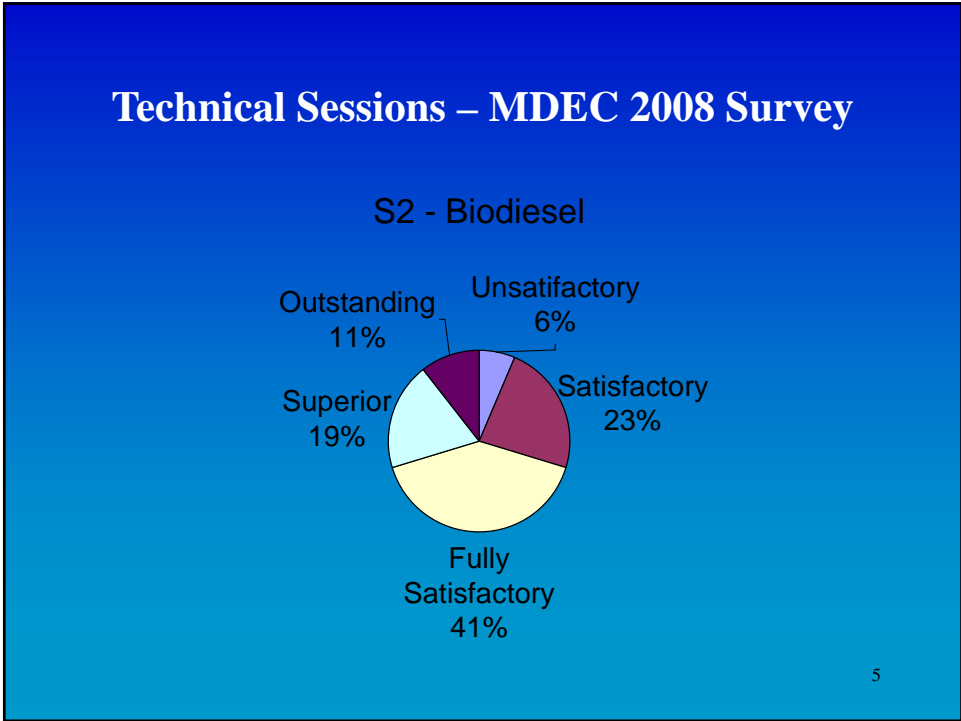
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## Technical Sessions – MDEC 2008 Survey

### S1-Emission Control Technologies

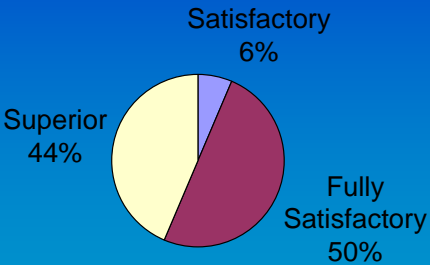


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### Technical Sessions – MDEC 2008 Survey

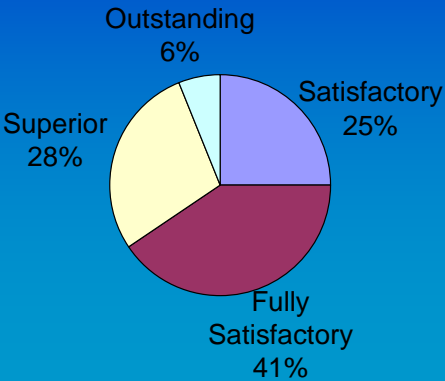
#### S4 - DPM Monitoring & Regulatory Updates



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### Technical Sessions – MDEC 2008 Survey

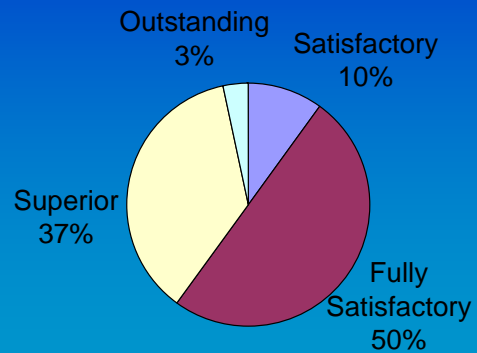
#### S5 - MDEC 2007 Roundtable Forum Review Panel



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## Technical Sessions – MDEC 2008 Survey

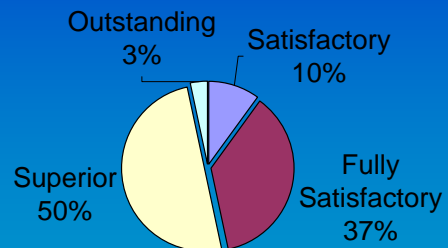
### S6 - Diesel Particulate Filters



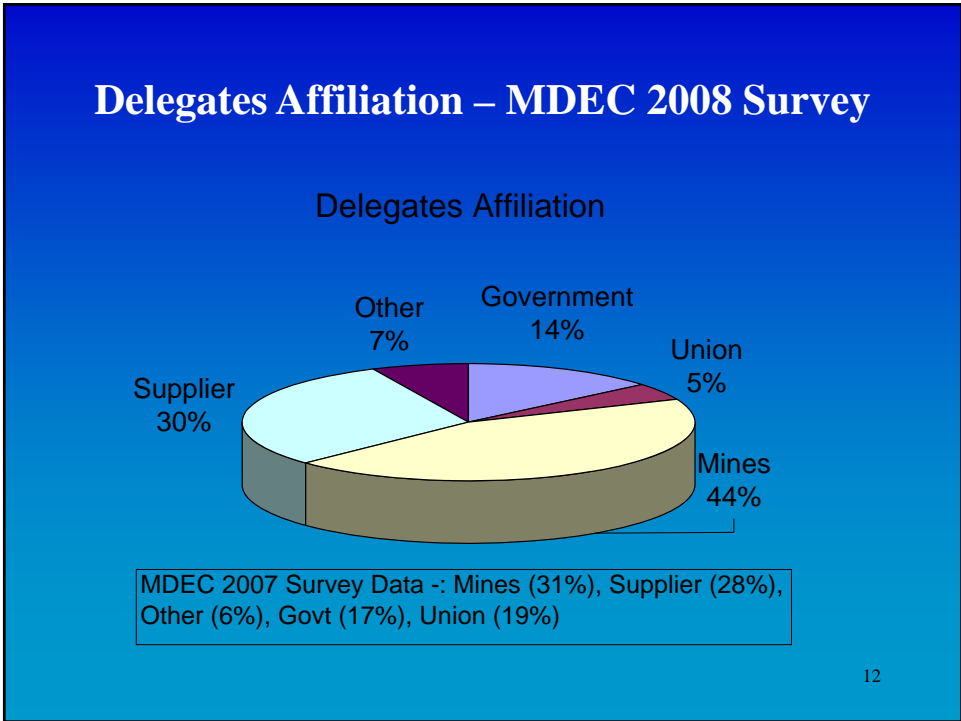
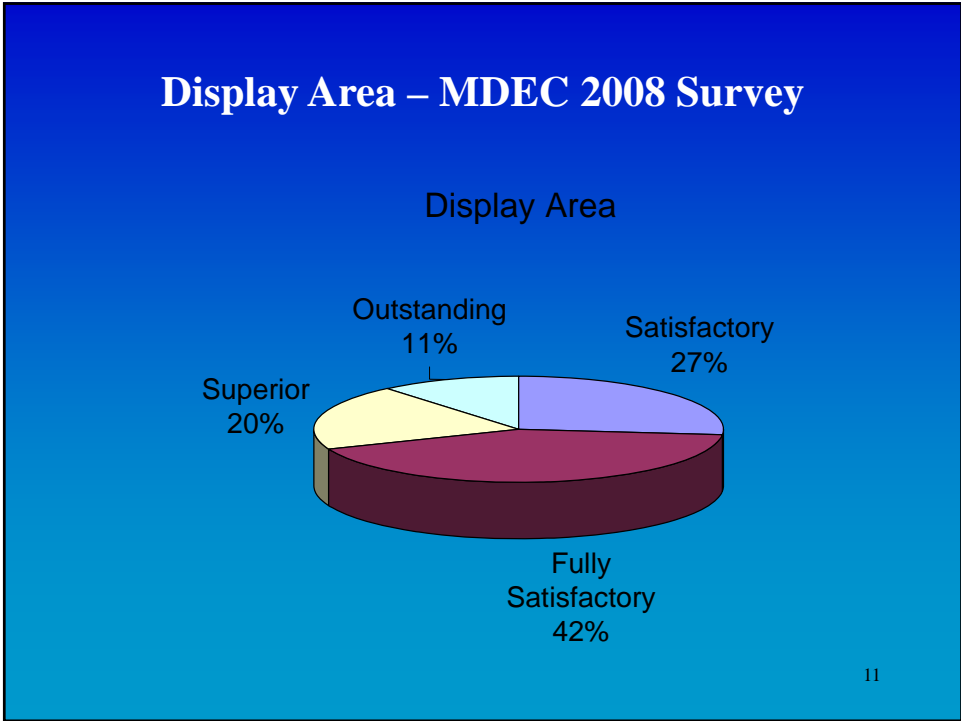
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## Technical Sessions – MDEC 2008 Survey

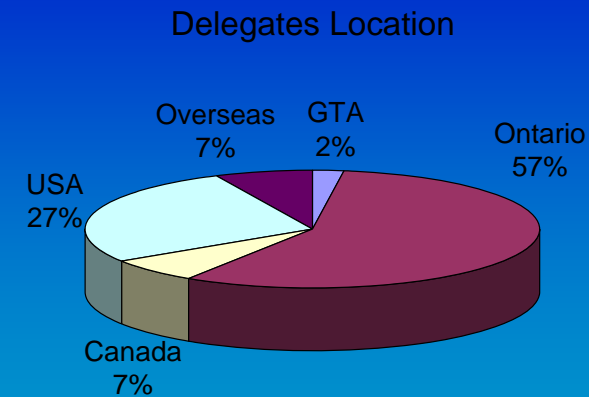
### S7 - Secondary Emissions



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## Delegates Location – MDEC 2008 Survey



MDEC 2007 Survey Data: - GTA (6%), Ontario (27%), Canada (13%), USA (44%), Overseas (10%)

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## Suggested Field Trip - MDEC 2008 Survey

- Salt Mine
- Xstrata Nickel
- CANMET – BCC
- Engine Manufacturer
- DPF Manufacturer
- Other Mine Site
- Hard Rock Mine USA
- Henderson Mine
- Niagara Falls/Sudbury

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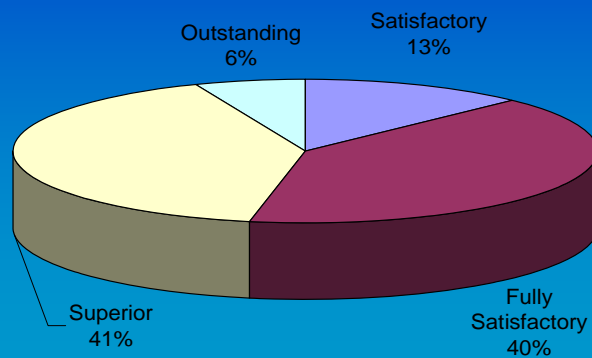
## Suggested Workshop - MDEC 2008 Survey

- More again
- Emission regulation
- Modern engines, diagnostic, maintenance
- Control technologies, Fuel borne catalyst
- Vehicles, Light duty
- Biodiesel, Fuel Additives & Approval
- Ventilation on Demand
- DPM measurements
- Health effects
- Engine testing equipment setup in u/g mines
- Engine tuning below 4000 feet

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## Quality of Papers - MDEC 2008 Survey

Quality of Papers- Technical

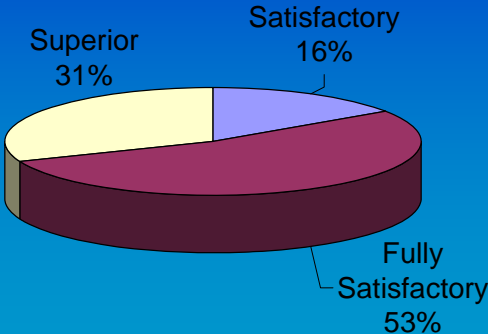


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### Quality of Papers - MDEC 2008 Survey

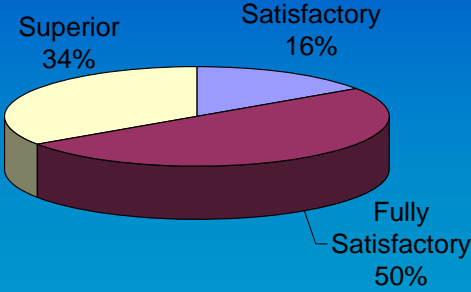
Quality of Papers - Presentation



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### Quality of Papers - MDEC 2008 Survey

Quality of Papers - Visual



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## Conference Rating - MDEC 2008 Survey

Items	Unsatisfactory %	Satisfactory %	Fully satisfactory %	Superior %	Outstanding %
Overall	0	9	50	38	3
Location	0	13	50	38	0
Venue	0	6	47	44	3
Organization	0	0	42	48	10
Length of Papers	0	13	66	16	6

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## General Comments - MDEC 2008 Survey

- Indicate on mine plan equipment with DPFs, no need for testing as we know they work
- Biodiesel topic was testing oriented, need to explore feedstock types, relative usage implications, qualities of BD fuels
- Presentations need a glossary of terms used

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### General Comments - MDEC 2008 Survey

- Many very technical papers – not well understood by many, need more practical papers
- Papers too scientific with graphs that are difficult to understand
- The mix of practical vs theoretical papers was good, but prefer more practical papers
- Number of scientific papers inadequate, marketing papers too many

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### General Comments - MDEC 2008 Survey

- More on regulations, MSHA related to DPM, efficiency of DPFs
- Beneficial to have more papers from mines that are applying technology and their experience
- Review of last year's roundtable discussion was good
- Overall excellent topics and presentations
- Good visuals on equipment/methodology

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## General Comments - MDEC 2008 Survey

- Great to hear insight of medical studies on DPM exposure, great keynote address, hope slides get published
- Some slides importance lost by B/W slides in binder
- More informed on emission needs for mine
- My first conference on DPM , first day left me with questions and wanting to hear more on the subject
- MDEC should promote more research, provide research \$ etc.
- May be a good idea to have merge with Mine Ventilation Symposium

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## General Comments - MDEC 2008 Survey

- Try to have conference close to Airport or at a hotel with shuttle service
- Great hotel, I had to stay at Sahara hotel for mine expo
- Good work, good facility and meeting room
- Muffins in the morning (snacks)
- Have bar/food/coffee in the exhibit area.
- Possibly roundtable forum on Thursday PM rather than on Friday so more could attend and make flights out before the weekend

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## **Review of MDEC Conference 2009**

### **Management Committee Meetings (13 members)**

- 1. January 8, 2009**
- 2. April 2, 2009**
- 3. June 25, 2009**
- 4. September 3, 2009**

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## **Review of MDEC Conference 2009**

- Keynote speaker on Air Quality – Michael Byrne
- Keynote speaker on Diesel – Prof. John Johnson
- More practical presentations
- Mine Visit – Compass Minerals Sifto Salt, operation of SCR systems
- A full day workshop – Advanced Engines & Control Technologies by industry experts
- Panel session to review last year's Roundtable
- Roundtable forum on Friday morning
- No increase in registration fee since 2004

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## Review of MDEC Conference 2009

- The Board of Canadian Registered Safety Professional (CRSP) will grant Certification Maintenance Program (CMP) points for attending MDEC conference (1.0 point), and MDEC workshop (0.5 point)
- The American Board of Industrial Hygiene (ABIH) have awarded CMP points for attending MDEC conference (2.5 point) and workshop (1.0 point)

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## Plans for MDEC 2010

- Plan to have conference first week of October 2010
- Transfer of large presentation files to MDEC website
- MDEC Scholarship (\$1500) for post-secondary students
- Formation of a MDEC Advisory Committee
- Need your help and suggestions:
  - Type of technical presentations
  - Name of specialized presenters
  - Topics for workshop, roundtable forum, panel discussions, and field trips
  - Session on Diesel equipment next year

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## Final Remarks

- Join MDEC Conference Committee
- Send your suggestions to improve MDEC
- Thanks to YOU - delegates, presenters, chairpersons, workshop speakers, roundtable facilitators, committee members, audio/video and hotel management.
- Come to next MDEC Conference in 2010
- Visit [www.mdec.ca](http://www.mdec.ca) for more information

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# THANK YOU

Please send your suggestions, comments

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