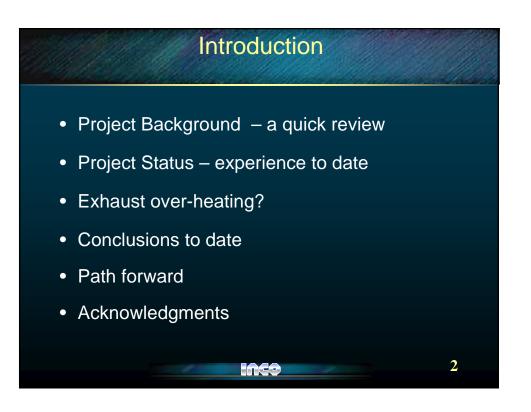
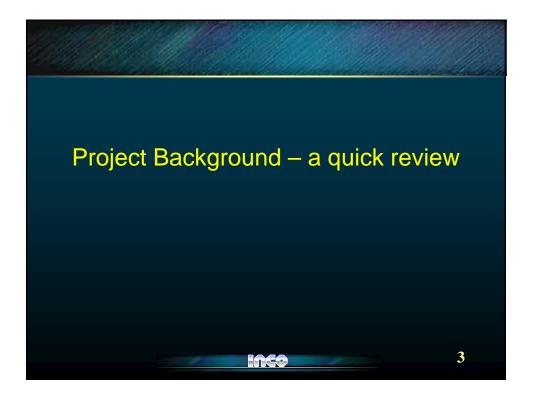
INCO/DEEP DIESEL PARTICULATE TRAP PROJECT

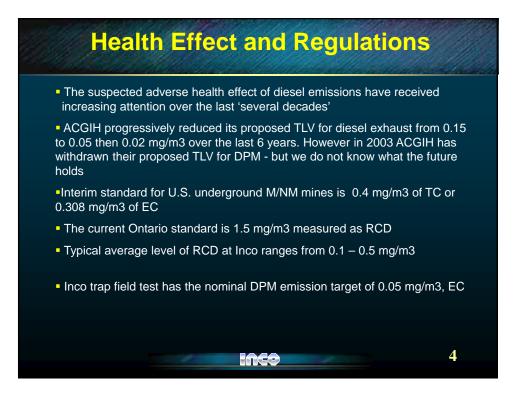
Joe Stachulak

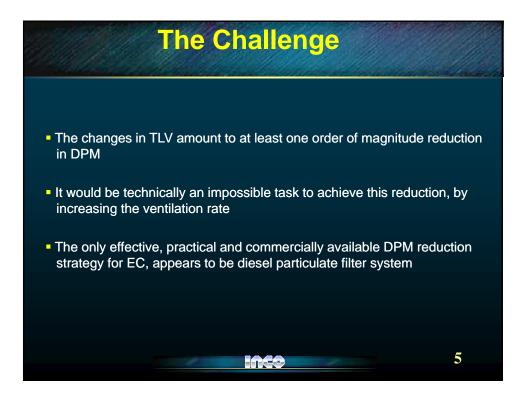
Inco Limited

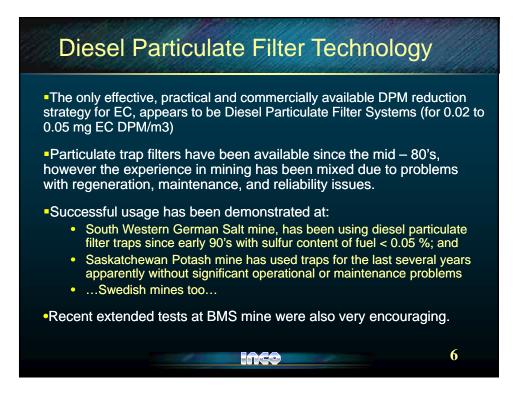
Copper Cliff, Ontario











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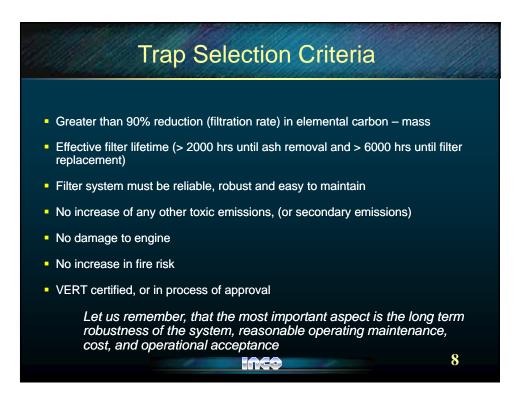
DPF Selection Process/Methodology

4 days duration technical workshop program was launched at Inco in Nov. 2000, at which sessions (presentations, discussions, etc.) were held with

- Various European and North American trap engine manufacturers and fuel additive companies
- DEEP technical members, NIOSH scientists
- Mine personnel, USWA members
- DEEP primary technical consultant

Input and important discussions were held with 3 offshore underground mining operations in Sweden and Germany, as well a visit to two underground mine sites in Germany to acquire,'first hand' knowledge of trap's system, and associated operational challenges





	Trap's	s used	for the	Inco	project
	<u>Vehicle</u>	<u>Supplier</u>	<u>EC redn</u>	<u>Hrs</u>	Regeneration
1. 2.	DDEC Scoop	ECS/Unikat /	Comb 92 - 95%		on-board in-use +ado on-board plug-in
3.	DDEC Scoop	ECS/Unikat /(Engelhard	Comb 99.9%	242 2,221	on-board plug-in passive catalyzed
4.	Kubota Tracto		nega 91% bifilter 99.9%	430 249	plug-in on-board on-board plug-in
5.	Kubota Tracto	or DCL Titan	99.9%	452	off-board electrical
6.	Deutz Truck n	ot available			
NG	DTES:				
a)	VERT certil	ications at on cept Engleha		ner have l	been issued for filters o
b)		ide filters are dierite or fibre		S/Unicat	& DCL Titan systems
c)	Èlemental (Carbon reduct			l 5040 are similar ons
					9



