

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

Sep-16	Sunday	ANNA welcome reception	Speaker	Company	email address
13:00		Registration starts as of 13:00 hours until evening			
15:00		Executive meeting - invitation only	Agenda by HR	ANNA executive	johannes.reuvers@gmail.com
18:00		Welcome reception - ANNA organisation	Kate Willis	Orica	kate.willis@orica.com
Sep-17	Monday	AN meeting: 1st day			
7:00		Breakfast	<i>Sponsored by:</i>	<i>Johnson-Matthey and Alloy Engineering</i>	
8:00		Registration for those joining in the last moment			
		Opening and organisation			
8:00		Opening remarks by the ANNA chairman	David Hind	Orica	david.hind@orica.com
8:10		Update on today's exhibitor activities	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
8:15		Identification of attendees	all	all	
8:45	AN-00	ANNA 2017 meeting: observations and balance sheet	David Hind / Burke Allan	Orica / Alloy Eng.	david.hind@orica.com
		General issues and legislation			
9:00	AN-01	Fertilizer regulations in North America / NFPA revision	Noel Hsu	Orica /CF	noel.hsu@orica.com
9:30	AN-02	Global dynamics in AN market: Current trade flows and future evolution	Luke Hutson	Fertecon	luke.hutson@fertecon.com
10:00		Coffee / Tea break	<i>Sponsored by:</i>	<i>MECS</i>	
		AN solution production			
10:45	AN-03	Safe cleaning of calcium nitrate solutions prior to conversion to AN	Shadab Anjum	Pakarab Fertilizers	shadab.anjum@fatima-group.com
11:15	AN-04	pH measurement in AN production	François Ledoux	Yara	francois.ledoux@yara.com
11:45	AN-05	Zero contaminants in neutralizer effluents	Jean-Francois Granger	Casale	j.granger@casale.ch
12:15		<i>Lunch</i>			
13:45	AN-06	To be announced			
		Production of solid AN fertilizers			
14:15	AN-07	Enhancing efficiency in CAN production	Manuel Beschliesser	Borealis	m.beschliesser@borealisgroup.com
14:45	AN-08	Detection and analysis of the early stages of caking onset	Vic Granquist	Surface Chemists	vic@surfacechemist.com
15:15		Coffee / Tea break	<i>Sponsored by:</i>	<i>ArrMaz</i>	
16:00	AN-09	Wet electrostatic dust separation in ammonium nitrate plants	Alessandro Gullà	AWS	gulla@awscorp.it
16:30	AN-10	Experiences gained and advances in TOC determination for AN-fertilizers	Céline Assmann	Suez, France	celine.assmann@suez.com
17:00	AN-11	Reliable bulk solids handling for efficient fertilizer production	Andrés Orlando	Jenike & Johanson	aorlando@jenike.com
17:30		<i>Closing of the 1st days session</i>	David Hind	Orica	david.hind@orica.com
18:00		<i>Evening activities offered by the exhibitors</i>			
Sep-18	Tuesday	AN meeting: 2nd day			
7:00		Breakfast	<i>Sponsored by:</i>	<i>Sabin Metal Corporation</i>	
08:00		Registration for those joining in the last moment			
8:00		Remarks by the chairman and housekeeping items	David Hind	Orica	david.hind@orica.com
8:05		Update on today's exhibitor activities	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
		Quality and safety including pumps for ammonium nitrate			
8:10	AN-12	DCS alarm management	Michael Gill	Orica	michael.gill@orica.com
8:30	AN-13	To be announced	tba	tba	tba
9:00	AN-14	High-speed drum granulation technology for AN-based fertilizers (ASN)	Rinat Anderzhanov	NIİK	anderzhanov@niik.ru
9:30	AN-15	Calcium ammonium nitrate: Moisture pickup - factors & controls	Asad Ahmad	Fatima Fertilizers	asad.ahmad@fatima-group.com
10:00		Coffee / Tea break	<i>Sponsored by:</i>	<i>Gemaco</i>	
10:45	AN-16	The good, the bad and the ugly in pumps for ammonium nitrate duty	Douglas Segovia	Wilfley	dsegovia@wilfley.com
11:15	AN-17	The good, the bad and the ugly in pumps for ammonium nitrate duty	Alistair Burch	CFIh	aburch@cfiholding.com
		AN environmental aspects			
11:45	AN-18	Reducing emissions from AN operations	Martyn Dean	Begg Cousland	martyn.dean@bcenvirotec.com
12:15		<i>Lunch</i>			
		New technology			
13:45	AN-19	Early warning system for monitoring leaks and emissions of NH3 and NOx	René Braun	Bruker Optik	rene.braun@bruker.com
14:15	AN-20	Modern cooling opportunities	tba	Solex	tba
		AN safety training			
14:45	AN-21	To be announced			
15:15		Coffee / Tea break	<i>Sponsored by:</i>	<i>Casale</i>	
16:00		AN Safety Round Table discussion	David Hind with experts		
17:15		Next years meeting	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
17:20		Selection of the best AN presentation	Hans Reuvers	ANNA executive	johannes.reuvers@gmail.com
17:30		<i>Closing of the AN meeting</i>	David Hind	Orica	david.hind@orica.com
18:00		<i>Evening activities offered by the exhibitors</i>			
18:15		<i>Exhibit Hall: drinks and dinner offered by the exhibitors</i>			
22:00		<i>Exhibit Hall: closing</i>			
Sep-19	Wednesday	HNO3 meeting: 1st day			
07:00		Breakfast	<i>Sponsored by:</i>	<i>Stamicarbon</i>	
08:00		Registration for those joining in the last moment			
		Opening and organisation			
8:00		Remarks by the chairman and housekeeping items	David Hind	Orica	david.hind@orica.com
8:05		Update on today's exhibitor activities	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
8:10	NA-01	Follow the money - effective precious metal tracking	Bodo Albrecht	Sabin Metal Corp.	balbrecht@sabinmetal.com
		1. General issues			
8:30	NA-02	Microbiological treatment minimizing stress on stainless metallurgies	C. Roscoe + B. Swart	Solenis	croscoe@solenis.com
9:00	NA-03	Concentration of weak acid/water recovery using specialized membranes	Bill Hayward	WT&C Calgary	bh@waterandc.co
9:30	NA-04	High pressure drop across gaseous ammonia filter	Abdul Rehman	Fatima Fertilizers	abdul.rehman@fatima-group.com
10:00		Coffee / Tea break	<i>Sponsored by:</i>	<i>Umicore</i>	
10:30	NA-05	Tunable diode laser spectrometers and combustion	Robert Campbell	Yokogawa	robert.campbell@ca.yokogawa.com
11:00	NA-06	Revamp and operation of a 50+ year old nitric acid plant	Mataj Halasa	Yara	matej.halasa@yara.com
11:30		<i>Wednesday afternoon activities offered by the exhibitors</i>			

Oct 05 Thursday HNO3 meeting: 2nd day					
07:00	Breakfast		<i>Sponsored by:</i>		<i>United Recovery</i>
08:00	Registration for those joining in the last moment				
8:00		Remarks by the ANNA chairman and housekeeping items	David Hind	Orica	david.hind@orica.com
8:05		Update on today's exhibitor activities	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
8:10		Identification of attendees	all	all	
1. General issues					
8:35	NA-07	Replacement of the bottom portion of a NA absorber	Alistair Burch	CFIH	aburch@cfiholding.com
9:00	NA-08	Nitric acid revamping with Casale high pressure bleacher scheme	Jean-Francois Granger	Casale	j.granger@casale.ch
09:30	NA-09	The 2018 ANNA nitric acid tank venting survey	Frank Wolf	Apache Nitrogen	fwolf@apachenitro.com
10:00	Coffee / Tea break		<i>Sponsored by:</i>		<i>Umicore</i>
10:45	NA-10	Technical and economic benefits of suction air chilling	M. Ramzy/M. Parsons-Cohrs	TradeMark/Everest	mramzy@everestsciences.com
11:15	NA-11	Pickling of nitric acid gauzes	Dan Schuler	PCS Nitrogen	danny.schuler@pcsnitrogen.com
11:45	NA-12	Retrofit to an all welded heat train	Roland Schech	Nutrien Redwater	roland.schech@nutrien.com
12:15	Lunch				
2. Air / NOx compressors					
3. Process air and ammonia sources - filters					
4. Pre-ignition					
5. Burner and conversion catalysts					
13:45	NA-13	NOx radial compressor failure at plant commissioning: Lessons learned	Yasser Sharafeldin	EHC Egypt	yasser.sharafeldin@ehc.net
14:15	NA-14	NAMAX - the new modular nitric acid train package	S. Ubben / C. Tuemmers	MAN Germany	stefan.ubben@man.eu
7. Heat train					
8. Cooler condensor - waste heat boiler - Pt recovery					
14:45	NA-15	Lessons learned: Replacement of a cooler condenser: Failure mechanisms	Sam Correnti	Dyno Nobel	sam.correnti@am.dynonobel.com
15:15	Coffee / Tea break		<i>Sponsored by:</i>		<i>Eerest Sciences</i>
16:00	NA-16	Waste heat boiler melt-down (in 2015)	David Jarrett	TradeMark Nitrogen	djarrett@trademarknitrogen.com
9. HSE					
16:30	NA-17	Gap analysis for process safety and operability features in NA plants	Nabeel Shakir	Fatima Fertilizers	nabeel.shakir@fatima-group.com
10. Absorption tower - miscellaneous					
17:00	NA-18	The fate of chloride in the absorption tower	Jean-Francois Granger	Casale	j.granger@casale.ch
17:30	Closing of the 4th days session				
18:00	Evening activities offered by the exhibitors				
18:15	<i>Exhibit Hall: drinks and dinner offered by the exhibitors</i>				
22:00	<i>Exhibit Hall: closing</i>				
Oct 06 Friday HNO3 meeting: 3rd day					
07:00	Breakfast		<i>Sponsored by:</i>		<i>Heraeus</i>
8:20		Remarks by the ANNA chairman and housekeeping items	David Hind	Orica	david.hind@orica.com
8:25		Update on today's exhibitor activities	Burke Allen	Alloy Engineering	ballen@alloyengineering.com
11. NOx and N2O emissions - miscellaneous					
8:30	NA-19	Backflow challenges with secondary abatement	Derrick de Silva	Orica	derrick.de.silva@orica.com
9:00	NA-20	Investigation of N2O emissions - a case for industry knowledge sharing	Ken Nguyen	Orica	ken.nguyen@orica.com
9:30	NA-21	To be announced	tba	OCI	tba
10:00	Coffee / Tea break		<i>Sponsored by:</i>		<i>Espindesa/TR</i>
10:45	NA-22	To be announced			
11:15	Comments and questions regarding the NA section				
11:30		Input to next years agenda	Hans Reuvers	ANNA executive	johannes.reuvers@gmail.com
11:40		Selection of the best NA presentation	Dan Kilpatrick	ANNA executive	dkilpatrick@cfindustries.com
11:50		Presentation of next years meeting location	Karl Hohenwarter	ANNA executive	karl.hohenwarter@borealisgroup.com
12:00	Closing of the HNO3 meeting and ANNA 2017 conference				
12:30	Lunch				
Discussion of safety and operational issues - expert round					
13:30	Operational and safety aspects: discussion among experts				
15:00	End of discussion				
17:00		Executive meeting - invitation only	Agenda by HR	ANNA executive	johannes.reuvers@gmail.com
18:00	Expected end of executive meeting				

Legend	New Day
	Topic Change
	Networking Opportunities