

Agenda for the 2010 ANNA conference in Noordwijkerhout, The Netherlands [Agenda - version-6 - September 14, 2010 - HR](#) [final 14.09.2010 - HR](#)

September 26 Sunday	ANNA welcome reception	<u>Speaker</u>	<u>Company</u>	<u>Status</u>	<u>E-mail address</u>
15:00	Executive meeting	Agenda by LKR + HR		OK	<a href="mailto:johannes.reuvers@basf.com">johannes.reuvers@basf.com</a>
19:00	Welcome reception hosted by Yara	Jan Chys	Yara	OK	<a href="mailto:jan.chys@yara.com">jan.chys@yara.com</a>
22:00	Closing				
<b>September 27 Monday</b>	<b>AN meeting: 1st day</b>	<b>Spouse program, sponsor:</b>	<b>General Electric - EU</b>		
07:00	Breakfast in the Rotonde				
8:00	Registration for those joining in the last moment				
8:15	Opening remarks by the ANNA chairman - identification of attendees <i>(identification of attendees in 2010 only on Monday and Wednesday)</i>	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
8:40	Welcome from the host company and housekeeping items	Jan Chys	Yara	OK	<a href="mailto:jan.chys@yara.com">jan.chys@yara.com</a>
8:45	Update on today's exhibitor activities	Klaus Ruthardt	Uhde	OK	<a href="mailto:klaus.ruthardt@thyssenkrupp.com">klaus.ruthardt@thyssenkrupp.com</a>
8:50	Balance sheet for the 2009 ANNA meeting	Larry Fitzwater	El Dorado Chemical	OK	<a href="mailto:lfitzwater@lsb-okc.com">lfitzwater@lsb-okc.com</a>
	<b>General issues</b>				
09:00 Paper 01	EU legislation relating to ammonium nitrate fertilizers	Kish Shah	Fertilizers Europe	OK	<a href="mailto:kish@shah4she.co.uk">kish@shah4she.co.uk</a>
9:30 Paper 02	Tantalum: A new corrosion resistant material in nitric acid and AN solution production	Soeren Eriksen	Tantaline	OK	<a href="mailto:se@tantaline.com">se@tantaline.com</a>
10:00	Coffee/Tea break in the Atrium Lounge	<b>Sponsored by:</b>	<b>GPN - France</b>		

**AN solution production**

10:30 Paper 03 Pro's and con's of different AN solution plant technologies  
Jean-Francois Granger GPN OK [jean-francois.granger@gpn.fr](mailto:jean-francois.granger@gpn.fr)

11:00 Paper 04 Start-up of the new PANNA-4 ammonium nitrate plant in Chile  
Jose Contreras ENAEX Mejillones OK [jcontreras@enaex.cl](mailto:jcontreras@enaex.cl)

**Production of solid AN fertilisers**

11:30 Paper 05 Start-up of the SINCO LDAN plant at Suez-Egypt: experiences  
Alistair Burch CFIH/SINCO OK [aburch@cfiholding.com](mailto:aburch@cfiholding.com)

12:00 Lunch (at your own expense )

13:30 Paper 06 Drying and cooling of CAN in a four bank Solex cooler in Gemlik, Turkey  
Bulent Gûles Gemlik Fertilizers OK [bgules@gemlikqubre.com.tr](mailto:bgules@gemlikqubre.com.tr)

14:00 Paper 07 Influence of process parameters on the internal structure of LDAN prills - practical plant implications  
Rodrigo Dias Gonçalves Vale Fertilizantes OK [rodrigo.dias@valefert.com.br](mailto:rodrigo.dias@valefert.com.br)

14:30 Paper 08 New additives for a new fertilizer scenario  
Joan Riaza KAO OK [jriaza@kao.es](mailto:jriaza@kao.es)

15:00 Paper 09 Developments in ammonium nitrate coatings: case studies  
Ger Imming Holland Novochem OK [g.imming@hollandnovochem.com](mailto:g.imming@hollandnovochem.com)

15:30 Coffee/Tea break in the Atrium Lounge  
**Sponsored by: Holland Novochem**

**AN pollution**

16:00 Paper 10 Cleaning up nitrate contaminated sites: innovative approaches and practical solutions  
David Carlson AECOM OK [David.Carlson@aecom.com](mailto:David.Carlson@aecom.com)

16:30 Paper 11 Largest single compartment air purification vessel of its type worldwide  
S. Ziebold + R. Mather MECS+GrowHowUK OK [steven.a.ziebold@mecsglobal.com](mailto:steven.a.ziebold@mecsglobal.com)  
[richard.mather@growhow.co.uk](mailto:richard.mather@growhow.co.uk)

17:00	Paper 12	Recirculation of gases from a CAN prill tower	Francisco Lopez de Ascona	Fertiberia + Incro	OK	<a href="mailto:fla@incro.es">fla@incro.es</a>
17:30	Paper 13	Improvement of the environmental performance of an AN solution plant	Alan Pikor	African Explosives	OK	<a href="mailto:pikora@ael.co.za">pikora@ael.co.za</a>
18:00		Closing of the first days session	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
18:30		Bus pick-up for evening dinner arrangement on the Noordwijkerhout beach offered by the exhibitors				
22:00		Return to the NH Conference Centre Leeuwenhorst				
<b>September 28 Tuesday</b>		<b>AN meeting: 2nd day</b>	<b>Spouse program, sponsor: CRI</b>			
07:00		Breakfast in the Rotonde				
8:15		<b>Remarks by the chairman</b>	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
8:25		Update from the host company	Jan Chys	Yara	OK	<a href="mailto:jan.chys@yara.com">jan.chys@yara.com</a>
8:25		Update on today's exhibitor activities	Klaus Ruthardt	Uhde	OK	<a href="mailto:klaus.ruthardt@thyssenkrupp.com">klaus.ruthardt@thyssenkrupp.com</a>
		<b>Operater training</b>				
8:30	Paper 14	Operational training programs involving ammonium nitrate	Regan Pfaff	Terra Canada	OK	<a href="mailto:rpaff@terraindustries.com">rpaff@terraindustries.com</a>
		<b>New technology</b>				
9:00	Paper 15	Wireless transmitters used on AN pumps in Dyno Nobel	Sam Correnti	Dyno Nobel	OK	<a href="mailto:sam.correnti@am.dynonobel.com">sam.correnti@am.dynonobel.com</a>
9:30	Paper 16	AN contamination: what's new?	Shanti Singh	CERL - Canada	OK	<a href="mailto:shanti.singh@nrca-nrcan.gc.ca">shanti.singh@nrca-nrcan.gc.ca</a>
10:00		Coffee/Tea break in the Atrium Lounge	<b>Sponsored by:</b>	<b>Espindesa - Spain</b>		

10:30	Paper 17	Optimisation of a CAN granulation plant by advanced process control	W. Wolff + H. Falkus	Yara and Ipcos	OK	<a href="mailto:wolfgang.wolff@yara.com">wolfgang.wolff@yara.com</a> <a href="mailto:heinz.falkus@ipcso.nl">heinz.falkus@ipcso.nl</a>
<b>AN Safety</b>						
11:00	Paper 18	Identifying major scenarios for a LOPA study of AN solution	John May	Orica	OK	<a href="mailto:john.may@orica.com">john.may@orica.com</a>
11:30	Paper 19	Safety aspects of ammonium nitrate: detonation properties	Martin Braithwaite	Imperial College	OK	<a href="mailto:m.braithwaite@imperial.ac.uk">m.braithwaite@imperial.ac.uk</a>
12:00		Lunch (at your own expense )				
13:30	Paper 20	SAFEX Storage of Technical Grade AN	Noel Hsu	Orica	OK	<a href="mailto:noel.hsu@orica.com">noel.hsu@orica.com</a>
14:00	Paper 21	Stack sampling of AN plants: sources of error	Ronald Peddie	Orica	OK	<a href="mailto:ronald.peddie@orica.com">ronald.peddie@orica.com</a>
14:30	Paper 22	Possible accidents with AN solution tanks: vulnerability scenarios - probability and consequences	Larry Fitzwater	El Dorado Chemical	OK	<a href="mailto:LFitzwater@lsb-okc.com">LFitzwater@lsb-okc.com</a>
15:00	Paper 23	Detection of AN decomposition in AN solution storage tanks	Francois Ledoux	Yara	OK	<a href="mailto:francois.ledoux@yara.com">francois.ledoux@yara.com</a>
15:30		Coffee/Tea break in Atrium Lounge	<b>Sponsored by:</b>	<b>Solex - Canada</b>		
16:00		<b>AN Safety Round Table discussion</b>	David Hind with invited panel of specialists/experts			
17:30		Next years meeting and input to next years agenda	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
17:40		Selection of the best AN presentation	Hans Reuvers	BASF	OK	<a href="mailto:johannes.reuvers@basf.com">johannes.reuvers@basf.com</a>
17:45		Closing of the AN meeting - next years meeting	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
18:00		Open bar in the Atrium Lounge				

19:00 Exhibition: Drinks and dinner at the Exhibit  
Hall offered by the exhibitors

22:00 Exhibit Hall Closing

**September 29 Wednesday HNO3 meeting: 1st day**

07:00 Breakfast in the Rotonde

08:00 Registration for those joining in the last  
moment

8:15 Welcome and remarks by the chairman -  
identification of attendees David Hind Orica OK [david.hind@orica.com](mailto:david.hind@orica.com)  
*(identification of attendees in 2010 only on  
Monday and Wednesday)*

8:25 Welcome from the host company and  
housekeeping items Jan Chys Yara OK [jan.chys@yara.com](mailto:jan.chys@yara.com)

8:25 Update on today's exhibitor activities Klaus Ruthardt Uhde OK [klaus.ruthardt@thyssenkrupp.com](mailto:klaus.ruthardt@thyssenkrupp.com)

**1. General issues**

8:30 Paper 01 Benefit of reliability based mechanical integrity  
(RBMI) for NA plants Donald Hoepfner Yara OK [donald.hoepfner@yara.com](mailto:donald.hoepfner@yara.com)

9:00 Paper 02 Solving difficult gasket problems in nitric acid  
service Stephen Bond Flexitallic OK [sbond@flexitallic.com](mailto:sbond@flexitallic.com)

9:30 Paper 03 Fire protection for steam turbine driven  
compressors Brendan MacGrath FM Global OK [brendan.macgrath@fmglobal.com](mailto:brendan.macgrath@fmglobal.com)

10:00 Coffee/Tea break in the Atrium Lounge **Sponsored by:** **Sabin Metal - USA**

10:30 Paper 04 A new nitric acid plant concept Jan Sandvig Nielsen Weel & Sandvig OK [weel-sandvig@weel-sandvig.dk](mailto:weel-sandvig@weel-sandvig.dk)

11:00	Paper 05	Stopping the smoke-screen: how technology can be used to clear a colored stack plume	M. Miggelbrink + J. Ferrer	CRI + Espindesa	OK	<a href="mailto:m.miggelbrink@shell.com">m.miggelbrink@shell.com</a> <a href="mailto:jrferrer@tecnicasreunidas.es">jrferrer@tecnicasreunidas.es</a> <a href="mailto:onno.maaskant@cri-criterion.com">onno.maaskant@cri-criterion.com</a>
11:30		Closing of first days NA meeting				
12:00		Departure of busses for Yara Sluiskil plant visit and the common evening dinner offered by the exhibitors in Antwerp Departure of separate busses for the visit to Antwerp and the common evening dinner in Antwerp offered by the exhibitors	<b>Sponsored by :</b>	<b>Oschatz - Germany</b>		
24:00		Expected return to the NH Conference Centre Leeuwenhorst				
<b>September 30 Thursday</b>		<b>HNO3 meeting: 2nd day</b>	<b>Spouse program, sponsor</b>	<b>K.A. Rasmussen-Norway</b>		
07:00		Breakfast in the Rotonde				
8:15		<b>Remarks by the chairman</b>	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
8:25		Update from the host company	Jan Chys	Yara	OK	<a href="mailto:jan.chys@yara.com">jan.chys@yara.com</a>
8:25		Update on today's exhibitor activities	Klaus Ruthardt	Uhde	OK	<a href="mailto:klaus.ruthardt@thyssenkrupp.com">klaus.ruthardt@thyssenkrupp.com</a>
		<b>1. General issues</b>				
8:30	Paper 06	Relocation and start-up of NA/AN plants (from Florida to Wyoming)	Doug Chandler	Dyno Nobel	firm	<a href="mailto:douglas.chandler@am.dynonobel.com">douglas.chandler@am.dynonobel.com</a>
		<b>2. Air/NOx compressors</b>				
9:00	Paper 07	Reverse engineering applied to the rerating and repairs of rotating equipment	Marco van Schaik	Elliot Turbo	OK	<a href="mailto:mvanschaik@elliott-turbo.com">mvanschaik@elliott-turbo.com</a>

9:30 Paper 08 Surge control on compressors Aernout Sissingh GE Energy OK [aernout.sissingh@ge.com](mailto:aernout.sissingh@ge.com)

10:00 Coffee/Tea break in the Atrium Lounge Sponsored by: R.S. Bruce - USA

### 3. Process air and ammonia sources - filters

#### 4. Preignition

10:30 Paper 09 Preignition observations in different mixed gas filter installations Karl Hohenwarter Borealis-Linz OK [karl.hohenwarter@borealisgroup.com](mailto:karl.hohenwarter@borealisgroup.com)

#### 5. Burner and conversion catalysts

11:00 Paper 10 Ultrasonic meters for non-invasive nitric acid flow and concentration measurement Ingrid Knoblauch Flexim OK [iknoblauch@flexim.com](mailto:iknoblauch@flexim.com)

11:30 Paper 11 Novel catalyst gauze structures to reduce cost and boost performance Thorsten Keller Heraeus OK [thorsten.keller@heraeus.com](mailto:thorsten.keller@heraeus.com)

12:00 Lunch (at your own expense )

#### 6. Getters and conversion catalyst support

#### 7. Heat train

13:30 Paper 12 Gas flow simulation and modelling to improve ammonia oxidation performance Matthias Schlett Umicore OK [mathias.schlett@eu.umicore.com](mailto:mathias.schlett@eu.umicore.com)

14:00 Paper 13 Failure of boiler level probes and potential turbine damage Jamal Fozdar CSBP Australia OK [jamal.fozdar@csbp.com.au](mailto:jamal.fozdar@csbp.com.au)

14:30 Paper 14 Boiler failure in a nitric acid plant after modification of the water treatment program Rodrigo Dias Gonçalves Vale Fertilizantes OK [rodrigo.dias@valefert.com.br](mailto:rodrigo.dias@valefert.com.br)

15:00 Paper 15 Protective coatings for boilers: NASA-developed Emmisshield Duy Pham Baker-LLC/Apache firm [recashdollar@apachenitro.com](mailto:recashdollar@apachenitro.com)

15:30	Coffee/Tea break in the Atrium Lounge	<b>Sponsored by:</b>	<b>Alloy Engineering - USA</b>		
	<b>8. Cooler condensor - Pt recovery</b>				
16:00	Paper 16 Problems with backflow in a nitric acid plant	Bruno Dufour	Yara	OK	<a href="mailto:bruno.dufour@yara.com">bruno.dufour@yara.com</a>
16:30	Paper 17 Survey of materials of construction in gas coolers and an example of the replacement of SS with 2RE10	Frank Wolf	AN Resources	OK	<a href="mailto:frank.wolf@kochind.com">frank.wolf@kochind.com</a>
17:00	Paper 18 Process gas coolers and economisers for nitric acid plants	Lynn Kuppers	Oschatz	firm	<a href="mailto:albrecht.a@oschatz.com">albrecht.a@oschatz.com</a>
	<b>9. HSE</b>				
	<b>10. Absorption tower</b>				
	<b>11. NOx/N2O emissions</b>				
17:30	Paper 19 5 years of operating N2O monitoring systems in nitric acid plants - key factor for successful credit production in emission trading markets	Martin van Velsen	N.serve	OK	<a href="mailto:velsen@nserve.net">velsen@nserve.net</a>
18:00	Closing of 2nd days meeting	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
18:30	Open bar in the Atrium Lounge				
19:00	Exhibition: Drinks and dinner at the Exhibit Hall offered by the exhibitors				
22:00	Exhibit Hall Closing				
<b>October 01</b>	<b>Friday</b>	<b>HNO3 meeting: 3rd day</b>	<b>Spouse program, sponsor:</b>	<b>Uhde - Germany</b>	
07:00	Breakfast in the Atrium Lounge				
8:15	Remarks by the chairman	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>

8:25	Update from the host company	Jan Chys	Yara	OK	<a href="mailto:jan.chys@yara.com">jan.chys@yara.com</a>
	<b>11. NOx/N2O emissions</b>				
8:30 Paper 20	Start-up of a new nitric acid plant including an EnviNOx DeN2O system system at ENAEX, Chile	J. Contreras + G. Lamas	ENAEX Mejillones	OK	<a href="mailto:jcontreras@enaex.cl">jcontreras@enaex.cl</a> <a href="mailto:glamas@eneax.cl">glamas@eneax.cl</a>
9:00 Paper 21	Successful N2O decomposition in low, middle and high pressure NA plants	Heiko Urtel + Dean Sandlin	BASF	OK	<a href="mailto:heiko.urtel@basf.com">heiko.urtel@basf.com</a> <a href="mailto:dean.sandlin@basf.com">dean.sandlin@basf.com</a>
9:30 Paper 22	Low NOx emissions during nitric acid plant start-ups and shutdowns	K. Ruthardt + M. Groves	Uhde	OK	<a href="mailto:klaus.ruthardt@thyssenkrupp.com">klaus.ruthardt@thyssenkrupp.com</a> <a href="mailto:michael.groves@thyssenkrupp.com">michael.groves@thyssenkrupp.com</a>
10:00	Coffee/Tea break in the Atrium Lounge	<b>Sponsored by:</b>	<b>Johnson Matthey - UK</b>		
10:30 Paper 23	Developments in containment systems for secondary N2O abatement catalysts in high/low pressure plant operations	Stephen Roe	Johnson Matthey	OK	<a href="mailto:stephen.roe@matthey.com">stephen.roe@matthey.com</a>
11:00 Paper 24	Risk management - protecting the value of your precious metal and catalyst inventory	Ian Gathercole	Inspectorate Int. UK	OK	<a href="mailto:ian.gathercole@inspectorate.co.uk">ian.gathercole@inspectorate.co.uk</a>
11:30	<b>Comments and questions regarding the NA section</b>				
11:40	Input to next years agenda	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
11:50	Selection of the best NA presentation	Dan Kilpatrick	Terra	OK	<a href="mailto:dkilpatrick@terraindustries.com">dkilpatrick@terraindustries.com</a>
11:55	Presentation of next years meeting location	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>
12:00	Closing of the HNO3 meeting and ANNA 2010 conference	David Hind	Orica	OK	<a href="mailto:david.hind@orica.com">david.hind@orica.com</a>

13:30

Executive meeting

Agenda by LKR + HR

OK

[johannes.reuvers@basf.com](mailto:johannes.reuvers@basf.com)

15.00

Expected end of executive meeting