

Chemical Vapor Solutions Team Meeting Minutes

Date: January 17, 2018
Time: 2:00 p.m. – 4:00 p.m.
Location: 2704HV / CR G206

Voting Members	Primary	Alternate
Management Rep (co-chair)	Joel Hebdon*	Ken Way*
WRPS HAMTC Safety (co-chair)	Don King*	Rick Ennis*
Industrial Hygienist	Robert Campbell	Vacant
Operations	Grant Bachaud*	Monica Kembel*
Chief Technology Office	Jason Vitali	Ron Calmus
222-S Operations	Sandy Alexander	Paul Gassman
Engineering	Dan Baide	Troy Farris*
HPT	David Ellingson	Dave Campbell*
IHT	Steve Liston	Dave Bohlman
Electrician or Instrument Tech	Ben Wutzke	Kraig Groenig*
Operator	John Airoidi	Steve Stamper
Pipefitter or Mechanical	Tina Clouston*	Vacant
Ex-officio/ Non-voting members	Primary	Alternate
Senior management sponsor	Rob Gregory*	Rob Cantwell*
CVST Administrator	Lisa Escalera*	Amber Henes
Communications	Peter Bengtson*	John Britton
HPMC	Dr. Sandy Rock*	
Visitors	Visitors	Visitors
Luke J. Lilienthal	Joyce A. Caldwell	Amanda L. Beerman
Don M. Slaugh	Steven E. Killoy	Rosene L. Babb
Traci A. Snyder	John G. Peoples	John R. Maganas
Joseph E. Meacham	Michael L. Zabel	Mark D. Cranston
Tom A. Smith	Adrienne L. King	Michael J. Paeschke
Steve C. White	Megan L. Proctor	
Mark T. Bleuze	Gary W. Hinds	Emily J. Millikin – NWNDS ORP
Dain D. Rensink	J. (Blake) McFerran	James J. Lynch – ORP
Courtney M. Perez	Sally A. Maxwell	Ralph E. Butler – URSEC
Ron L. Childs	Robert Paeschke	Kevin P. Lochridge - MSA
Sheryl K. Roberts	Rebecca J. Sams	Charles W. McGlothlin – FOWLR
Chandra S. Lindberg	Chris Y. Thursby	Nicholas N. Holland - CSCOM
Grant F. Monrean	Paul J. Ruggles	Dennis T. Williams - ORP
Jared R. Dobson	Brian W. Ivey	Nelson T. Trahan – AKIMA MSA
Nancy J. Milliken	Chris P. Parmentier	Kenneth W. Gray – MSA
Bruce A. Watkins	Edward Carreras	Billy L. Brown – AKIMA MSA
Jamie L. Bensen	Gina M. Ojeda	Kevin Schermerhorn – ITG DOE
Scott R. Clingenpeel	Billy D. Turner	Andres Rodriguez – INDEY
David A. Klug	John U. Masulonis	Vince J. Zorich – MSA

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Rebecca A. Holland	Carol A. Mowery	Sheldon L. Shattuck - MSA
David A. Patrick	Jacob T. Arendell	Frank H. Turner – MSA
Arnold R. Ferguson	Jason T. Dearing	Robert (Scott) Collins - AMEC
Jeremiah B. Hoffman	Debbie L. Dempsey	Richard A. Parthree - AMEC
Timothy L. Thompson	John A. King	Keith A. Klein – LAI
Pete A. Gomez	Jason L. Brooks	George J. Jackson – CHPRC
Rosalyn S. Page	Robert B. Bowe	Rad L. Howard – MSA
Ryan J. Greenough	Aaron H. Keck	David G. Keller - MSA
Gary P. Hopkins	C. (Mike) Lowery	
Linda J. Phillips	Anthony Ball	Michael L. Bosse – Unknown
Peter K. Brockman	Scott D. Allen	Rigo P. Rivas – Unknown
Michael M. Gallagher	James R. Clifford	Sean P. VanPelt – Unknown
Matthew B. Tom	Todd J. Thiesen	Mark A. Mokler – Unknown
		Scott R. Hart – Unknown

The Chemical Vapor Solutions Team (CVST) met on January 17, 2018. The above attendee list identifies CVST voting members, delegates, support staff, presenters, and guests in attendance. The meeting began with a safety topic.

Opener – Video record of today’s CVST
Reminder for all to sign roster and mark designation

Safety:

See presentation by Sheryl Roberts, Safety Specialist

Q: What are awards?

Ice scraper, Emergency kit, and Travel mug

Stoneturn Consultants:

See presentation and [video](#) for full details of discussion, as well as questions and answers.

Discussion/Questions:

We think you are adequately protected.

STC - Clarify PAPR briefing was impressive, we need to review and study PNNL report before drawing final conclusions.

AP Farm - We have not looked at any waste transfer data, not in a position to give opinion, prefer to look at evidence.

STC - There is change to Hazard Assessments.

Q: In AP Farm we have approved both building trades and HAMTC the use of FFAPRs with the direct cartridges, if we do a waste transfer hypothetically do a transfer from C farm into those tanks in AP farm. What does that do to that approval?

A: We have not looked at any waste transfer, we are not in a position to say. Trying not to make professional opinion, important to make evidence based recommendations.

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Q: Comment was made that there didn't need to be in APR for DST that had ventilation, thought slides said AX not appropriate?

A: Only evidence reviewed was prior to it becoming ventilated and probably no longer applicable to current circumstances.

Q: In testing that was done, if you had different mixtures in the tanks where there different results?

A: Sure, whole issue is how do all those mixtures come together. Ammonia breaks through first, models by manufactures and reviewed data, they are similar per our review. Have not seen breakthrough above OEL for any organics. Different Q, but what happens on low level of organics but whole mixture of them? Needs to be addressed, important issue, we are not toxicologists. We don't know if it is an issue and if so, what are the effects? Mixtures are tricky. Our hope is that nothing comes through those cartridges. Also said, it is possible you would get odors but not pose a health risk. You should be aware of that.

Q: When you evaluate hazard assessments on tank farm by tank farm basis to determine if FFAPR is acceptable? STC will be involved?

A: Yes, we have been so far and have been as long as agreed to between HAMTC and WRPS.

Q: On one of your slides I believe it showed you reviewed cartridge data from 32 degrees to 115 degrees. Below 32 degrees is consistent in winter? How is your confidence for below?

A: WRPS performed testing before we arrived, two answers; one issue is more cartridge testing need to be done, second is that modeling can be done for ammonia. What happens to ammonia in cartridges, in general ammonia gets better as temperatures drop.

General Discussion

- Note CACN

CVST MEETING DOCUMENTATION:

1. CVST Agenda
2. CVST Attendance Roster
3. CVST Meeting Minutes
4. CVST Presentations and associated reports or handouts