

Chemical Vapor Solutions Team Meeting Minutes

Date: December 13, 2017
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	Jason A. Simmons	Chad R. Chapman
Craig W. Collins	Steven E. Killoy	Rosene L. Babb
Traci A. Snyder	John G. Peoples	John R. Maganas
Joseph E. Meacham	Michael L. Zabel	Mark D. Cranston
Stacie G. Rice	Adrienne L. King	David L. Romine
Steve C. White	Megan L. Proctor	Michael J. Paeschke
Joshua N. Gammill	Gary W. Hinds	Savannah L. Green
Dain D. Rensink	J. (Blake) McFerran	James T. Hamilton
Christopher S. Holst	Dane P. McClendon	Ronald H. Galpin
Michael J. Silvia	Roy (Pete) D. Graham	
Julian E. Laurenz	Rebecca J. Sams	Emily J. Millikin – NWNDS ORP
Chandra S. Lindberg	Chris Y. Thursby	James J. Lynch – ORP
Grant F. Monrean	Adele J. Dallman	Ralph E. Butler – URSEC
Jared R. Dobson	Brian W. Ivey	George E. Weeks – AEMC
Nancy J. Milliken	Peter K. Brockman	Charles W. McGlothlin – FOWLR
Bruce A. Watkins	Edward Carreras	Steven J. Maki – INDEY
Daniel E. Wolf	Gina M. Gullette	Clark D. Carlson - PNL

CVST 12/13/17 Minutes

The Chemical Vapor Solutions Team (CVST) met on December 13, 2017. 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 Tank Vapor Representatives (TVRs) to sign roster and mark designation

Odor Incident – Chaz McGlothlin

Odors at Mobile Office MO588

Radcon supervisor requested investigation of odors

Smelled foul like sewage

Swept area, took samples, Dr. Gallagher read

Sewage line was disconnected

- Q: What is the proper channel to address, this had been reported since August?
 - People had been sick and not address until staff went to HPMC
 - A: IH only found out since yesterday, can report situations in several ways:
 - Supervisors/Managers should know for evaluations
 - Safety Log book
 - Senior Management can help also

Safety Share –

- See videos
 - DUI
 - Holiday Safety

Vapor Overview/Update – Rob Cantwell, ESH&Q Manager

Rob Cantwell spoke regarding the following topics:

- Mr. Gregory is out
- Not a whole lot to report that is new
- Mitigation moving forward
 - Fine tuning, lawyers working through that
 - Hope to hear in early spring

APR Rollout – Rob Cantwell, ESH&Q Manager

- No presentation
- Discussion/Questions:
 - Implemented FFAPR yesterday
 - 3rd part agreed to where we are
 - A few jobs have already been done
 - So far so good
 - Updated forms to make sure things are accurate
 - AP Farms underway
 - Stoneturn will get paperwork
 - Will take whatever we learn from SY
- Questions
 - When for AP Farm in APR?
 - A: Optimistic as early as next week, but we will go through learning in SY
 - Again go through documentation and hopefully all goes well
- No voluntaries to SCBA so far but still always an option for workers

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- Please feel free to submit questions

QRA – Ken Way, IH Manager

- No presentation
- Discussion/Questions:
 - Effort kicked off thru CTO office last year
 - Fairly high sensitivity model to solve fluid flow models
 - To help solve problems with computer modeling
 - So we can understand better vapor flow in and around tank farms
 - Plume models work well but with limitations and interpreted properly
 - We must understand both inputs and outputs
 - Automating calculations in models
 - Upsides in this approach takes into account weather history, emissions points and scenarios as well as structures
 - Steps up to higher level of modeling
 - High resolution 6 cube meters
 - Hope to use in both east and west farms
 - Accepted in industry but do take a lot of resources
 - Grid size has higher predictive models because you can do calcs on smaller scale
 - Downsides
 - Very labor computer and time intensive even with good inputs can take weeks
 - Output is only dependent on good data in to provide good data out
 - Emissions rates, information drives outputs a lot of work
 - Outputs can be difficult to determine
 - Good is to help as another tool to confirm anecdotal
 - We are trying to understand and interpret information to create path forward
 - Will be good communications tool
 - AN Farm is next
 - We will always have to ask new questions
 - IH perspective is this is a tool to utilize and incorporate into our
 - Hazards
 - Monitors/samplers
 - Help us understand inversions to plan and know where to take mitigative actions
 - Questions:
 - NONE

NUCON- George Weeks, PM

- See presentation
- Discussion/Questions:
 - Provide specific recommendations
 - Standard diesel catalyst
 - Any concerns with moistures out of HEPA
 - Always, but working to decrease moisture as soon as possible
 - Attaching to SSTank to mount outside farm, and pipe to closest tank, in selection process but reviewing samples, dirtier the better
 - Not concerned with high concentrations, system works good
 - Demonstrate adequate
 - Plans for DST?

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- Not at this time, must see if this is successful first would require very large DG, combustion could be worse than what trying to solve

Part III – Website Walk through – DAV Tool, TVR Focus – Peter Bengtson, Communications Manager

- See video
- Discussion/Questions:
 - Kudos, effort is appreciated for TVRs

Upcoming for CVST – Joel Hebdon, Manager

- See slide
- Stoneturn Consulting Review report Briefing
 - On January 17
 - Details to be finalized
 - Please come to the meeting prepared
 - If you submit questions in advance they will be reviewed
 - Expecting approximately 200
- CVST committee expect meeting to discuss Charter and the schedule of reoccurring meetings
 - Be in alignment with CVAP?
- Hope to still have CVST meeting in late January for standard business
- Discussion/Questions:

Sub-Teams

Communications – Bengtson

- Next meeting 01/08/18, 3:00p, 2425 Stevens/CR 110
- TVRs invited
- Encouraging communication for improvement and timeliness

Chemical Cartridge Testing – Campbell for Ganapathy

- Next meeting 12/20/17, 1:00p, 2704HV/G229
- Scheduled to resume at end of February in BY108
- New cartridges to be tested

New Technology – Calmus

- Next meeting 01/10/18, 1:00p, 2704HV/G229
- Will be in alignment with CVST schedule
- Looking for new members for input
- Trying to identify new technologies here at tank farms
- Looking for people in the field to make suggestions for us to review

Fugitive Emissions – Vitali

- Last week, continuing GAP analysis for 4th & Buffalo
- Work towards sampling strategy
- Focus group meeting tomorrow to review historical data
- Will bring to CVST

HMPC – Dr. Rock

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- Will be working with Matt Tom on new Hazard Awareness class Dr. Rock will participate
- New APRs
- Epidemiologic study, pending approval by DOE IRB, hopefully answer soon

NEW Actions

- None

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