

**Chemical Vapor Solutions Team
Meeting Minutes**

Date: November 29, 2016
Time: 2:00 p.m. – 4:00 p.m.
Location: 2704HV / CR G206
CVST email: ^WRPS CVST

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	Garrett Hamby*	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
Steve E. Killoy	Edward Carreras	Emily J. Millikin – NWDS ORP
John G. Peoples	Gary P. Hopkins	Vince J. Zorich - MSA
David J. Saueressig	Jesse L. Billingsley	Lia W. Minor - BNL
Rosene L. Babb	David L. Romine	Cynthia L. Tidrick - EXCEL
Ryan J. Greenough	Joseph E. Meacham	Michael Lumpkin – CTEH
Megan L. Proctor	Grant F. Monrean	Nicholas N. Holland - CSCOM
Zachary K. Way	James R. Clifford	James P. Millbauer - MSA
Keenan R. Moll	James A. Jacobson	Gregory N. Hanson – T-GRP
Jake G. Steelhammer	Michael M. Gallagher	Ralph E. Butler - URSEC
Charles E. Bloom	Michael L. Zabel	Charles W. McGlothlin - FOWL R
Savannah L. Green	Charles B. Sward	
Jared R. Dobson	Ron H. Galpin	Raj Ganapathy
Mark D. Cranston	Joshua N. Gammill	Kevin A. Gustafson
Rebecca J. Sams	Aaron H. Keck	Craig W. Collins
Traci A. Snyder	J. Blake McFerran	Luke J. Lilienthal
David W. Edwards	Mark T. Bleuze	Michael Stevens
Gina M. Gullette	Kevin D. Miller	Chris S. Holst

CVST 11/29/17 Minutes

The Chemical Vapor Solutions Team (CVST) met on November 29, 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

Safety Topic - Video slips, trips & falls

Vapor Overview/Update – Rob Gregory, Chief Operating Officer

Rob Gregory spoke regarding the following topics:

- Greetings to TVRs
- We are growing, maybe time for a new venue or change in schedule
- Update on mediation, still ongoing, trial date is August 2018
 - We are optimistic and feel very positive about an agreement
- EA-32, Office of Enforcement was here about 1 ½ year ago and gave good recommendations
 - We have done our best to incorporate those recommendations into our plan
 - They have returned and are pleased with our progress
- We are optimistic for transition to FFAPR in SY Farm in December
 - SEG 1 & 2 work
 - Rob Cantwell will be speaking to that
- EA-32 indicates we are moving in the right direction
 - What about you guys? The workforce, do you feel like your questions are being answered?
 - No response, considered as good sign
- Welcome Steve Killoy, Chemical Protection Integration Manager

Comprehensive Vapor Action Plan Integrated Project Team - Steve Killoy, CPI Manager

- See presentation
- Discussion/Questions:
 - Is the CVAP (Comprehensive Vapor Action Plan) online?
 - No still in draft, but will be presented here at CVST upon final approval

EA-32 Out brief - Steve Killoy, CPI Manager

- See presentation
- Discussion/Questions:
 - Note presentation is as is, no changes made, we will discuss as originally presented
- CPPO looking for volunteers for (Data Analysis and Visualization) DAV Steering committee
- This presentation will be made available internally

FFAPR - Rob Cantwell, ESH&Q Manager

- Discussion/Questions:
 - We are still in SCBA (Self-contained breathing apparatus)
 - 3rd Party is making efforts to help us move forward
 - Hazard Assessment is complete for SY Farm

- Definition of APR (Air-purifying respirator) is needed to be understood
- Upgrade still available
- Still need to address some issues
 - Verify some of WRPS documents
 - Standing order, type of instruments and monitoring during SEG 2 and identified distinction in plans
- We will try a dry run to make sure all works and flows, everyone is aware
- Communications/joint communications will go out
- Hazard Assessments for other farms are also being developed to help
- Qtn: for actively ventilated farms
- Timeline?
 - AP Farm next but currently changing because originally was a pilot
 - Will not be as labor intensive but should be quick
 - Stoneturn Consultants (STC) reviewing our documents first, then will go to HAMTC, in the future we won't have to go through that process
 - Will be a tank by tank basis
 - We want APR
 - Stoneturn Consultants willing to come out to talk to CVST after the holidays
- SEG 2 all inclusive?
 - Yes, all work with active ventilation and access to inside of tank, pipe or system but NOT playing in waste, open riser allowed
 - No APR during waste disturbing activity
- SEG 3 on APR?
 - Never say never, we have a plan to get to a hazard waste process applying appropriate PPE (Personal protective equipment)
 - Some sampling has been done to be evaluated, so we have started the process
 - We have to set our priorities
 - We get more work out of FFAPR (Full face Air-purifying respirator), work would happen much easier, ie; more bang for your buck
- Pump pull considered SEG 2 in fully ventilated farm
 - Engineers have reviewed what considered waste disturbing, answer no
- Are they planning to communicate hazards much more clearly? For specific job tasks? RPF form.
 - We are writing a management directive specific to SY farm and one will be written for each actively ventilated farms
 - Umbrella would capture 'worst case scenario'
- Will RPF be more detailed? No
- QRA's (Qualitative risk assessment) will be reviewing times when we would have higher concentrations BDGRE (buoyant displacement gas release event)
 - Will be presented in January timeframe
- STC requested we do Furan testing, have we done that yet?
 - No but we are reviewing what we would need, in conversations with PNNL for guidance
 - They concluded APRs are protective
- What are the next cartridges we are testing?
 - There is a process, we are not today but we hope to get back to manufactures recommendation

Dimethyl Mercury - Dr. Kind

- See presentation
- Discussion/Questions:
 - Will also be available soon via CPPO Notebook
 - Are there difficulties in sampling for?
 - Cannot be detected by LUMEX
 - Is this one that a medical provider sees in exams?
 - Blood & urine but levels out here are so low

Website Walk Through, TVR Focus – Peter Bengtson

- See presentation
- Discussion/Questions:
 - DAV portion of video will be at the next CVT meeting
 - Chris is PM, looking for volunteers for new team

Perspective: What I learned about boundaries - Luke Lilienthal

- See presentation

AOP-15 – Zack Way, IH

- See info sheet
- Tank farm projects
- Event at AW Farm at approximately 8:30am, getting ready to pull grab samples
- NCO requested courtesy sniff
- No odor, no irritations,
- Less than OEL on DRI instrumentation
- AOP15 declared
- Two grab bags, analysis found two chemicals all below OEL no odor threshold
- Are DRIs capable of detecting the two chemicals?
 - Yes, but too low
 - Lead blankets were in the box
 - Was outside the farm

Sub-Teams

Communications – Bengtson

- Next meeting 12/11/17, 3:00p, 2425 Stevens/CR 110
- TVRs are all invited to the next meeting

Chemical Cartridge Testing – Ganapathy

- Next meeting 12/06/17, 1:00p, 2704HV/G229
- BY108 will be the next round of testing
- SY Tank lots of upcoming testing
- 3m Versiflow, new type of cartridge approved by NIOS will be testing as well
- We need more participation

New Technology – Calmus

- Next meeting 12/13/17, 1:00p, 2704HV/G229

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- Big phase II report will be going through legal/clearance process
- We will update regularly
- QRA done by Kinexus
- Transitioning viable equipment to the field
- Auto sampler, summa cans and sorbent tubes, test plan being put together

Fugitive Emissions – Vitali

- New team kicked off about a month ago
- Good feedback on charter
- 4th & Buffalo our first location to be investigated
- Next meeting will be next Wednesday, invite will go out

HMPC – Dr. Rock

- See Presentation
- Hepatitis C is now 98% curable
- Est. 3 million people in this country with virus
- Get tested for antibody, especially baby-boomers
- Can die from it, causes liver cancer, liver transplants
- Hep B has vaccine

NEW – QUESTIONS FROM THE BOX:

- FUGITIVE EMISSIONS SUB-TEAM
 - How does Rounds & Routines fit in?
 - A: J. Vitali - "The Investigation Team may find it valuable to utilize existing Rounds & Routines as part of the source identification / characterization. All tools in the toolbox will be considered, including viable VMDS equipment, PTR-MS Mobile Lab, sorbent tube and SUMMA canisters sampling, routine IH sampling and monitoring techniques, soil sampling, and other methods deemed necessary for appropriate characterization of the known or potential emission sources."

Reviewed Action Items

- Update: Evaluate secondary strap for SCBA. (Grant C. Bachaud)
 - Did procure, turned over to Raj and will go through process on training, cleaning, etc.

NEW

- Don Slaugh question – Rob Cantwell to discuss with IH
 - For many years the RadCon training within DOE and commercial facilities teaches us that with any exposure to radiation comes with it a slight risk of getting cancer. This is well known in the rad world. The chemical parity to RadCon is in that we have indications that low levels of Furans and Nitrosamines are unaffected by the chemical cartridge that was tested. Even though these Furans and Nitrosamines are well below OEL they are still a cancer causing chemicals. Whether they cause cancer or not, the chemicals are carcinogens and should be communicated to the work force. This could be an opportunity in our new CHAT class to communicate this.

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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