

**Chemical Vapor Solutions Team
Meeting Minutes**

Date: March 8, 2017
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)	Lou Alcalá	Rick Ennis*
Industrial Hygienist	Robert Campbell*	Jim Ilar*
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	Steve Ellingson	Dave Campbell
IHT	Steve Liston*	Dave Bohlman*
Electrician or Instrument Tech	Ben Wutzke	Kraig Groenig*
Operator	John Airoidi*	Steve Stamper
Pipefitter or Mechanical	Scott Pearson	Jim Millbauer
Ex-officio/ Non-voting members	Primary	Alternate
Senior management sponsor	Rob Gregory	Rob Cantwell*
CVST Administrator	Lisa Escalera*	Amber Henes
Communications	John Britton*	Mark McKenna
HPMC	Dr. Sandy Rock	
Visitors	Visitors	Visitors
Larry Romine - ORP	Marcus J. Faries	Nicholas Holland - CSCOM
Emily Millikin – ORP	Vince J. Zorich – MSA	Don A. King
Jeff A. Peterson	John U. Masulonis	James R. Clifford
Jeffrey S. McDaniel – AKIMA	Grant F. Monrean	Adrienne L. King
Roy D. (Pete) Graham	James E. Geary	Pete Gomez
Peter J. Bengtson	Traci A. Snyder	John Franco – HMPCO
David L. Curry	Michael M. Gallagher	Steve E. Killoy
Richard A. Parthree – AMEC	Raj Ganapathy	Aaron H. Keck
Steven J. Maki - INDEY	Gregory N. Hanson – T-GRP	Daniel E. Wolf
Josef (Andy) Britt - CTEH		

The Chemical Vapor Solutions Team (CVST) met on March 8, 2017. The above attendee list identifies CVST voting members, delegates, support staff, presenters, and guests in attendance. The meeting began with a safety topic.

Safety Item – Traci Snyder

- See presentation slides.

Vapor Project Update

Rob Gregory absent.

APR Implementation – Cantwell, ESH&Q Manager

- Stop work that required breathing air in all farms
- Resolution was MOA between HAMTC & WRPS
- 3rd party reviewer document
 - Questions as a result
- Awaiting feedback from DOE to send out all employee message
- Starting Tuesday for select group Rounds, we will implement APR in A-farm
 - All work will be the same either SCBA or APR
- A few of the items to use APR
 - Requires IHT monitoring
 - Personal monitoring
 - Stack monitoring
 - IHTs will go in with SCBA and get stack monitoring prior to APR work
 - Everyone understands they have option of upgraded PPE SCBA
- Caution for odors
 - See quote from report
 - Caution on odor breakthrough, possible breakthrough of odors should not impose health risk to workers, change out cartridges
 - PNNL test reports found COPC low concentration, do not pose a health hazard but may cause odors detectible by workers
 - Concentration too low to create build up for cartridges to filter
- We will allow change out to be at 2.5 hours
- IF someone does smell an odor while on APR
 - Notify IHT
 - Everyone exit
 - Notify supervision
 - All respirators will be evaluation
 - Diagnostic on cartridges
 - Review all data for evaluation
- SOEN messages will go out to communicate APR to SCBA usage
 - Considering separating work days
 - Seg1 work
 - Non-intrusive
- Next report on SY 3rd party review looking favorable
- CPWR will be back in about 6-8 weeks after three (3) months of data for review
- QUESTIONS:
 - Will cartridge change out schedules be documented? In order to avoid change outs that exceed the change out schedule.
 - 2.5 hour change out rate is so conservative, is based on headspace
 - Expectation is the worker will track their own change out schedule
 - Dave Bohlman feels the change out schedule to be documented/signed
- MOA is in process of review/approved

Sub-Teams

Chemical Cartridge Testing – Ganapathy

- Met yesterday to discuss testing and path forward to go forward with APRs
- Focus of meetings of Chemical Cartridge and feedback to CVST

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- In May, jig and PAPR cartridge testing is scheduled, more to come

New Technology – Calmus

- 75% of work done by mid-April
- DQOs struggling to complete but bulk of data complete, however have lost ground during the winter
- CIREX is here working on spectroscopy equipment

Communications – Bengtson

- Please join our team at the next meeting, goal is improving communications
- Should we videotape CVST? There are pros and cons.
- Would be only internal for employees at this time
 - Calmus agrees presentations good but NOT discussions
 - Could be a tool for tailgates, resource to supervisors/managers
- Suggest pilot test and then vote

Dr. Rock Learning Opportunity

See slide

Reviewed Action Items

WRPS-CVST-2016-0029: Investigate expanding capability of existing 242-A ammonia monitor to detect other vapor UVDOAS.

Actionee: Jim Geary

- Contract with CIREX and intent is to modify testing
- Data from monitor is will be evaluation
- End of march for initial construction near evaporator, install new, remove old and tie in
- Head space will be tested in BY farm at end of April as well as 102AW
- PA system to be installed in East area, controlled at central control room
 - Additional crash gates may be added in the event of evacuation
- Control room equipment
- Reader boards, we are working with MSA to determine if should be mobile or permanent
- Engineering controls AX up & running, SY installation design to be finished by end of year to review critical procurements
- Retrieval A farm evaporators being fabricator
- Strobic air high volume dilution fan

WRPS-CVST-2016-0030: Evaluate personal summa canisters.

Actionee: Stone/Snyder

- Meeting tomorrow with program folks, to be closed out next meeting.
- Cubs are functional, now from R&D to implementation the next process coming soon, being written up by Calmus team.

TBD

Is Lumex needed to follow RJ Lee van?

Actionee: Calmus/Snyder

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George weeks is PM for PTR mass spec vs lumex, briefing just received. What is value of lumex at point van would be receiving data. Their evaluation is that lumex would not be helpful. Don't believe there would be any real value.

If we want it in the van then we would have to do a redesign to the van.

Learning Opportunity – Dr. Rock

- See presentation slides.

NEW Action Items

- Lisa to send out message regarding Dr. Rock's class
- Joel will take action to reach Dr. Rock on proper communication to broader audience
- Cantwell action to review instruments to take higher level ammonia samples.

General Discussion

Dave Bohlman - Source monitoring, we should have instrument for exceeded ranges especially for ammonia sensors. No replacement since 'manning' went away, we would like something more robust than dreiger tubes.

Grant Bachaud – all employee communication, this is a good news story especially for those of us that have been here for a long time, we are finally here at the first step. Make sure to stress to your teams.

CVST MEETING DOCUMENTATION:

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