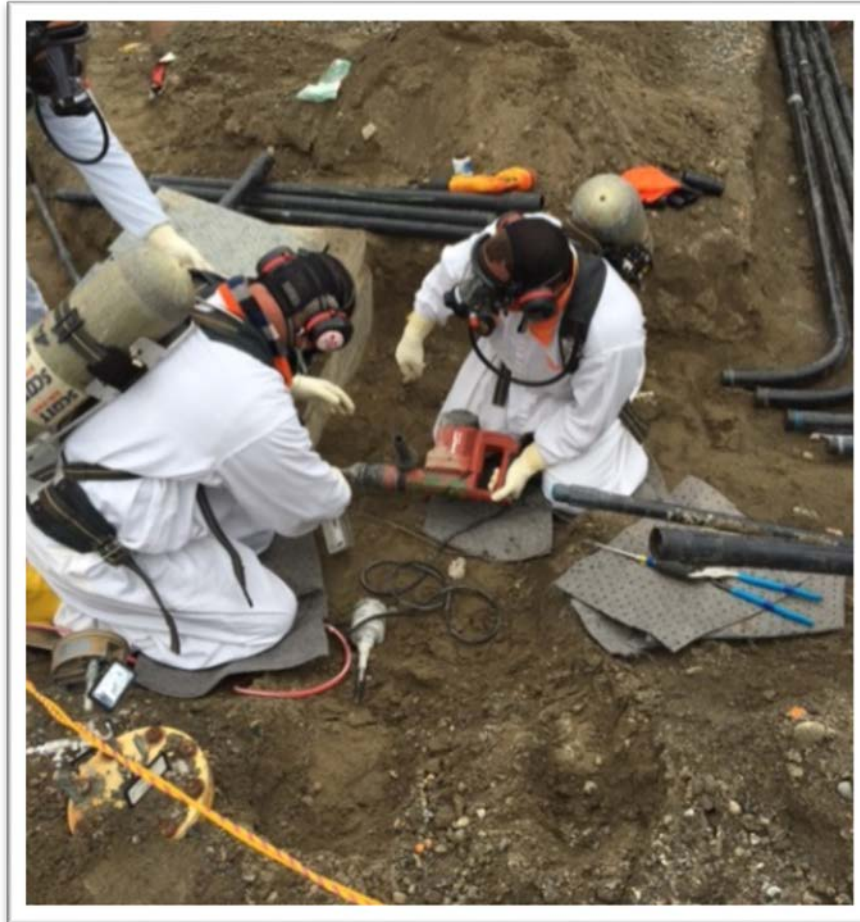




washington **river**
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AZ Farm Permanent Power Installation of Conduit, Connections, and Backfill

Tank Operations Contract
Chemical **Protection Program Office Weekly Report**
October 27, 2016

1.0 CHEMICAL PROTECTION PROGRAM OFFICE (CPPO) ACTIVITIES STATUS

The Office of River Protection (ORP) has requested a CPPO briefing at the November Vapor Management Expert Panel (VMEP) meeting.

ORP has suggested development of a CPPO/Vapors Program Plan. The program plan outline is drafted.

To close an identified projects/programs gap, Industrial Hygiene (IH) has committed to providing a prioritized list of TVAT Phase 1 vapors products that the IH Program will agree to own. This list is anticipated complete by October 31, 2016.

An AOP-015 summary report has been developed for enhanced communication of AOP-015s.

Metrics in development by CPPO are Overarching Vapors Communications, Vapor-Related Problem Evaluation Requests (PERs) (open, overdue, etc.), Vapor Assessments (open, scheduled, overdue, etc.), Chemical Vapor Solutions Team (CVST) (worker involvement/participation, open actions), and Phase 2 Project Performance (programmatic cost, schedule).

2.0 CPPO COMMUNICATIONS

The message maps on the AP Cartridge Testing have been reviewed and finalized with the project team and the IH team. The message mapping process has been reviewed with the CPPO Steering Team with copies of the final map made available upon request. Once final, the information will be distributed using various communication avenues.

AOP-015 communication summary review and communication pathways meeting identified a new initial report template for the AOP-015 in conjunction with the response card to provide a snapshot of the information available.

A database was created to track CPPO communication activities, from which reports can be generated and, at a glance, identify items that are in progress.

HanfordVapors.com Posts

[Vapors Weekly Update – October 20](#) (*Posted in the News & Updates section*)

[Updated Data Sets – Pilot-Scale Testing](#)

Three weekly reports were provided by CPPO for information updates on the website: Direct Reading Instrumentation Weekly Report, Open Path Fourier Transform Infrared (OP-FTIR) Spectrometer Weekly Report, and Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS) Weekly Report.

Reports from September 14-28 are now available on the website.

3.0 PERFORMANCE TRACKING

Trending information summary to be provided monthly.

4.0 TVAT PHASE 1 AND PHASE 2 DETAILED STATUS

The statuses of the following TVAT Recommendations are complete and are not included in this CPPO Weekly Report: Recommendations 2, 3, 4, 5, 7, 10, 11 through 23, 34, 37, 40, 42, and 45.

[Excludes status on TVAT Recommendations 24 – 28 and 31, 32 (ORP action) and 36 (ORP action).]

TVAT Recommendations 1 and 9; Headspace Sampling: No update.

TVAT Recommendation 6; IH Personnel Monitor Equipment: A variety of personal sample canisters were tested in a mock up field setting as well as inside and outside AP Farm. The 450 mL canister size paired with the TOV-2 valve was recommended for field deployment. These results were presented at the 10/19/16 CVST meeting.

Field testing of the personal badge monitor, Ion Science Cub, which detect VOCs has been completed and the results are documented in RPP-RPT-59729, *Vapor Monitoring and Detection System Pilot-Scale Test Phase 1 Report (FY 2016)*.

TVAT Recommendation 8; Dispersion Model Review: Consolidation of the dispersion modeling report has been completed (PNNL-25654, *Atmospheric Dispersion Modeling Tools for Hanford Tank Farms Applications*). A meeting is scheduled to discuss the results of this study with the author.

TVAT Recommendations 29, 30; Enhanced Training: Discussions are progressing with Tank Farms Training on the best course of action with enhanced CHAT and CHEM I/II.

TVAT Recommendation 33; Vapor Monitoring Detection System (VMDS): The pilot scale testing of the VMDS is ongoing. The weekly reports on the monitoring system and data interpretation are being prepared and uploaded to the vapors website. For Phase 2 of testing, the set-up and shakedown of components to be utilized are being finalized. Discussions continue this week on the scope of Phase 2 testing.

TVAT Recommendation 35; Cartridge Testing: The TVAT team has completed the sampling at eight different locations (AP exhauster, SY-102, BY-108, A-101, AZ-702 stack, AX-101, AW stack, and AN stack) to verify the protection capabilities of two air purifying cartridges (SCOTTS 7422-SC1 and 7422-SD1). Pacific Northwest National Laboratory (PNNL) completed the lab analysis report from the AP exhauster location and a summary of the results was presented at the 10/19/16 CVST meeting. The remainder of the reports are being drafted.

The draft message map of this report was finalized with Projects and IH Programs.

TVAT Recommendations 38-39, 41; Management Commitment: The 10/19/16 CVST meeting discussed headspace sampling results, updates on the 242-A stack extension work, the personal sampling canisters, and the AP cartridge testing results. The next CVST meeting is scheduled for 10/26/16.

TVAT Recommendation 43; IH Covello Training: No update.

TVAT Recommendation 44; PA System: No update.

TVAT Recommendations 46, 47; Event Investigation and Worker's Comp Communications:
See Section 2.0.

OTHER VAPOR ACTIVITIES:

IH Programs

Finalizing the transition of completed Phase 1 items to IH programs from Projects is ongoing. Integration roadmaps/flowcharts are being developed to determine the best ways to integrate the programs.

AZ Farm Permanent Power

The installation of the conduit runs to support permanent power to the AZ Farm mini power zones was completed (10/24/16). The construction crew utilized overtime hours to accelerate completion of the installation in order to facilitate completion of other AZ Farm activities to be done by others during the outage. The final terminations have been made and the trenches backfilled (10/25/16). NEC inspections are scheduled for this week. The final activity, the voltage check, will be scheduled upon completion of the power outage in the farm and restoration of power next week.