

Save

**Problem Evaluation Request (PER)****WRPS-PER-2014-0974**

Closed 11/29/2016 13:17

<b>PER No</b>	<b>Date of Discovery</b>	<b>Time of Discovery (24:00)</b>	<b>Project</b>
WRPS-PER-2014-0974	05/28/2014	10:00	Industrial Hygiene
<b>Location</b>			
Multiple Tank Farms			
<b>How Was Problem Discovered</b>			
Other			
<b>Description of Concern or Problem</b>			
<p>The filtercake of a high-volume rad sample was analyzed for fibers, inorganic compounds and metals. Analytical results show 20-30% ammonium nitrate particulate. This compound is not currently being evaluated by IH air sampling. IH needs to consider/evaluate airborne particulate matter or chemical compounds that could be in our breathing space. These particles and compounds maybe in a particulate form or another form (insoluble), such as ammonium nitrate rather than the ammonia vapor that is currently being evaluated.</p> <p>The sampling needs to be in all the farms where there might be a unfiltered pathway from a waste source to our air space.</p> <p>Also, evaluate the need to sample the downstream exhaust for particulate matter past the HEPA filtration into the environment due to HEPA filtration break through.</p>			
<b>Requirement Not Satisfied</b>		<b>Source Document Number</b>	
TFC-ESHQ-S_SAF-C-02		10 CFR 851.21(1)	
<b>Equipment Identification Number</b>		<b>System Identification</b>	
		None	
<b>Does issue require immediate actions?</b>			
I Don't Know			
<b>Immediate actions Taken or Planned</b>			
<p>Discussed issue with Lead Hamtc safety rep  Discussed with management.  Discussed with CIH  Issued PER  Include with CVST</p>			
<b>Recommended Corrective Actions</b>			
<p>Use the PDR-1500 to take sample and send the cassettes in for multi-variate analyses  The use of other particulate sampling instrumentation should be looked in to.  Sample ports that are isokinetic to sample particle emissions on our exhaust stacks  Consider utilizing the current HPT cam samples for multi-variate analyses</p>			
<b>Originator Contact</b>			
Yes			
<b>Originators Name</b>	<b>Originators ID</b>	<b>Originators Phone</b>	<b>Date Initiated</b>
Slaugh, Don M	H0036458	(509) 373-3298	06/02/2014
<b>SHIFT OPERATIONS REVIEW</b>			
<b>Title</b>			
The filtercake of a high-volume rad sample was analyzed for fibers			
<b>Reportability</b>	<b>SSC Operability</b>	<b>Operability Review</b>	<b>Comp Measures Req</b>
Non-Reportable	N/A	N/A	
<b>Describe actions Taken or Recommended</b>			
No additional actions taken by Production Operations Shift Office.			

<b>SO Reviewer Name</b>	<b>SO Reviewer ID</b>	<b>SO Reviewer Phone</b>	<b>SO Review Date</b>
McFerran, Brandon E	H8553856	(509) 373-4835	06/02/2014
<b>SCREENING</b>			
<b>PER Significance Level</b>	<b>Analysis Level</b>	<b>How Discovered</b>	
PER with Resolution	Informal Apparent	1 Internal (Self-Identified; Internal Assessments)	
<b>Ind Assessment Rev</b>	<b>Occurrence Rpt #</b>	<b>Externally Identified</b>	<b>DOE CAP Required?</b>
		Yes	No
<b>Assigned Responsible Manager</b>	<b>Facilities Rep / SSO</b>	<b>Safety Mgmt Rep</b>	<b>Potentially Recurring Issue</b>
Way, Kenneth J			No
<b>Program</b>		<b>Safety Management Program</b>	
● ^N/A^		● ^N/A^	
<b>PER Screening Comments</b>			
06/03/14 Needs Extent of Condition.			
<b>ORPS Code</b>	<b>Functional Area</b>	<b>Work Process</b>	<b>ISMS</b>
Not Applicable	Environmental Health	● Other	Perform work within the controls
<b>PER Screening Chair</b>	<b>PER Screening Chair ID</b>	<b>PER Screening Chair Phone</b>	<b>PER Screening Date</b>
Owen, Annette	H0054042	(509) 373-6756	06/03/2014
<b>PAAA REVIEW</b>			
<b>PAAA Screening</b>	<b>PAAA Codes</b>	<b>Function Codes</b>	
PAAA, Non-NTS Reportable	● 10 CFR 851.21 (a) (1)	● Existing Workplace Hazard Identification	
<b>PAAA Cause Analysis Review</b>	<b>NTS Report Number</b>	<b>NTS Report Date</b>	
Yes			
<b>PAAA Screening Comments</b>			
1) Basis for PAAA screening is in file attached to PER. In file, see highlighted green text for non-compliance. 2) Approval per procedure TFC-ESHQ-PAAA-D-08 dated 7/19/2012 (paragraph 4.1.5-7).			
<b>PAAA Reviewer Name</b>	<b>PAAA Review Date</b>		
Thom, Barry	07/25/2014		
<b>PAAA Approver Name</b>	<b>PAAA Approve Date</b>		
Thom, Barry	07/25/2014		
<b>CAUSE ANALYSIS</b>			
<b>Problem Statement</b>			
WRPS hasn't assessed exposure potential to particulate forms of chemicals =====			
PER/E-STARS re-opened 10/14/2015. See attachment 'RE: Concurrences & RM Requested to re-open -- RE: Session on WRPS-PER-2014-0974.msg'. Additional corrective action entered to track Activity ID CAA-VIP160FY16-1 Aerosol Evaluation. JHWinters 10/14/2015.			
<b>Compensatory Actions</b>			
Communicated with originator. Conducted walk down of areas of concern with originator at AW/AP Farms. Reviewed the 2009 PNNL report for electron microscopy. Reviewed the process chemical lab report of 1992 on crystals on the 106-C air monitor.			
<b>Cause Analysis</b>			
The following reflects the logic used to analyze the issue. In past years, efforts have been underway to address vapors and odors in the tank farms. The bulk of these efforts have focused on measuring and analyzing vapors that are reported as odors. In the course of doing so, little attention has been paid to particulate or aerosol sampling, and as such the data available for analysis is extremely limited due to two key elements, first almost all samples for IH will go through a			

particulate filter in order to prevent potential buildup of low levels of radioactive material in the samplers and ensure the equipment can be maintained. Second is the underlying assumption that the nature of the hazard is contained in material in the vapor state and not in a particulate or aerosol. Given the presence of HEPA filters on stacks and breather filters, this determination was never formally defined nor documented, but it became an assumption in the hazard identification process. Until approximately 2012, there was a lack of industry knowledge and capability to look at particulates of the size described.

The following summarizes the analysis supporting this conclusion:

WRPS hasn't assessed exposure potential to particulate forms of chemicals  
 why  
 Focus has been on gases.

Why,  
 The mindset has been that vapors are the primary issue. This is re-enforced by the fact that samples are taken through a filter designed to remove particulates in order to protect equipment and allow radiological release of filters.

why  
 As noted above, it was the mindset that the issues were vapors, not particulate or aerosols.

Additionally WRPS does not possess the equipment to perform a complex particulate monitoring program. Corrective actions below address that element of the issue.

**Causes**

Contractor staff under past and current contracts have not recognized the potential for particulates and aerosols to contribute to the odors noted in tank farm facilities.

**Extent of Condition**

Extent of condition cannot be determined until the identified corrective actions are complete and a hazard assessment, along with recommendations is complete. The evaluations discussed in the corrective actions below will determine the scope to which an extent of condition is necessary.

**HPI Error Precursors**

Task Demands	Work Environment	Individual Capabilities	Natural Tendencies/ Human Nature
	2N - Conflicting conventions; stereotypes 2N - Conflicting conventions; stereotypes		4L - Tunnel vision (lack of big picture) 4L - Tunnel vision (lack of big picture)

**Has the evaluation of this PER resulted in additional information that could affect the Central Shift Office (CSO) determination of operability or reportability?**

No

**Comments**

Submitter Name	Submitter ID	Submitter Phone	Submit Date
Henes, Amber R	H3452259	(509) 376-4854	08/04/2016

**CAUSE CODES**

A3B2C05	Human Performance LTA Rule Based Error Situation incorrectly identified or represented resulting in wrong rule used
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**CORRECTIVE ACTIONS**

Actionee	Action Due Date	Status	E-STARS Number
Schmoltdt, Mike J	12/16/2014	Closed	WRPS-PER-2014-0974.1
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

Model, review, and/or lay out a sampling plan to check to ensure particulate (wick though) is or is not an issue around the filters or open pathways.

**Deliverable**

A copy of the sampling plan

**Corrective Action Attachments**

- LAB-PLN-14-00005\_Rev\_0\_9-29-14\_Test\_Plan\_for\_the\_Examination\_of\_AN\_Farm\_Continuous\_Air\_Monitor\_Filter\_Samples.pdf
- Multiple Extensions.msg
- RE\_more PER changes.msg
- RE\_.msg

Actionee	Action Due Date	Status	E-STARS Number
Gallagher, Michael M	10/13/2015	Closed	WRPS-PER-2014-0974.2
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

Select analytical methods appropriate for the samples to be collected.

**Deliverable**

A copy of the sampling plan

**Corrective Action Attachments**

- Completed Multiple Extensions.msg
- Extension Requests Thursby.msg
- FW\_extension.msg
- RE\_assignee changes.msg
- RE\_extensions.msg
- RE\_Extensions.msg
- RE\_.msg
- WRPs-PER-2013-2433\_1\_WRPS-PER-2013-2425\_3\_WRPS-PER-2014-1387\_1\_WRPS-P\_ER-2014-0974\_2\_WRPS-PER-2014-0417\_2\_WRPS-PER-2013-1987\_3.msg

Actionee	Action Due Date	Status	E-STARS Number
Gallagher, Michael M	12/01/2015	Closed	WRPS-PER-2014-0974.3
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

Select and obtain particulate sampling equipment sufficient to support characterization of potential particulates.

**Deliverable**

Copy of selection criteria, evaluation of proposals, and documentation that the equipment has been delivered. NOTE: Do not attach proprietary information from vendors. If appropriate industry equipment is not available, review and revise this action as appropriate.

**Corrective Action Attachments**

- RE\_assignee changes.msg

Actionee	Action Due Date	Status	E-STARS Number
Gallagher, Michael M	09/15/2015	Closed	WRPS-PER-2014-0974.4
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

Issue procedures for the operation of the particulate sampling equipment obtained in action WRPS-PER-2014-0974.1 above.

**Deliverable**

Copies of procedures as issued on the WRPS procedure web site.

**Corrective Action Attachments**

- RE\_assignee changes.msg

Actionee	Action Due Date	Status	E-STARS Number
Schmoltdt, Mike J	11/24/2015	Closed	WRPS-PER-2014-0974.5
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

No

	No	No	No
<b>Action</b>			
Based on the results of the sample analysis, conduct a hazards assessment.			
<b>Deliverable</b>			
A copy of the hazards assessment and actions added to this PER to address issues noted.			
<b>Corrective Action Attachments</b>			
<ul style="list-style-type: none"> <li>RE_ assignee changes.msg</li> </ul>			
<b>Actionee</b>	<b>Action Due Date</b>	<b>Status</b>	<b>E-STARS Number</b>
Adams, Ed J	10/30/2014	Closed	WRPS-PER-2014-0974.6
<b>CAP Reportable</b>	<b>ORPS Reportable</b>	<b>NTS Reportable</b>	<b>LTCA Reportable</b>
No	No	No	No
<b>Action</b>			
Review CAM filter paper to see if we can find a dirty filter paper that we can have an analysis performed for chemical particulate.			
<b>Deliverable</b>			
A copy of the review			
<b>Corrective Action Attachments</b>			
<ul style="list-style-type: none"> <li>RE_ WRPS-PER-2014-0974_6.msg</li> <li>WRPS-PER-2014-0974.6 Email Concurrence from CT Wolfley</li> </ul>			
<b>Actionee</b>	<b>Action Due Date</b>	<b>Status</b>	<b>E-STARS Number</b>
Adams, Ed J	10/15/2014	Closed	WRPS-PER-2014-0974.7
<b>CAP Reportable</b>	<b>ORPS Reportable</b>	<b>NTS Reportable</b>	<b>LTCA Reportable</b>
No	No	No	No
<b>Action</b>			
Add a sentence in the response process to potential internal depositions to request IH to review whether chemical screening for medical should be conducted.			
<b>Deliverable</b>			
A copy of the revised process			
<b>Corrective Action Attachments</b>			
<ul style="list-style-type: none"> <li>RE_ ESTARS Action WRPS-PER-2014-0974_7 Due Date Extension Request.msg</li> <li>TFC-ESHQ-RP_DOS-C-04, REV B-10 - Internal_Dosimetry.pdf</li> </ul>			
<b>Actionee</b>	<b>Action Due Date</b>	<b>Status</b>	<b>E-STARS Number</b>
Adams, Ed J	10/08/2014	Closed	WRPS-PER-2014-0974.8
<b>CAP Reportable</b>	<b>ORPS Reportable</b>	<b>NTS Reportable</b>	<b>LTCA Reportable</b>
No	No	No	No
<b>Action</b>			
Review question of elevated whole body counts to see if that condition exists and if it exists is there an ongoing action that should be taken.			
<b>Deliverable</b>			
A copy of the review			
<b>Corrective Action Attachments</b>			
<ul style="list-style-type: none"> <li>Hanford_detections_FY.pdf</li> <li>PR_detections_FY.pdf</li> <li>RE_extensions.msg</li> <li>TO_detections_FY.pdf</li> </ul>			
<b>Actionee</b>	<b>Action Due Date</b>	<b>Status</b>	<b>E-STARS Number</b>
Kunz, Ashley C	10/30/2014	Closed	WRPS-PER-2014-0974.9
<b>CAP Reportable</b>	<b>ORPS Reportable</b>	<b>NTS Reportable</b>	<b>LTCA Reportable</b>
No	No	No	No

Model, review, and/or lay out a sampling plan to check to ensure particulate (wick though) is or is not an issue around the filters or open pathways.

**Deliverable**

A copy of the sampling plan

**Corrective Action Attachments**

- LAB-PLN-14-00005.pdf

Actionee	Action Due Date	Status	E-STARS Number
Farris, Troy R	10/30/2014	Closed	WRPS-PER-2014-0974.10
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

Review radial filters and old breather filters (Still in operations) to see if wicking is an issue from an Engineering perspective and does that potentially drive more confirmation of original review to select the filters in the first place.

**Deliverable**

Documentation of the review and additional corrective actions added based on the outcome of this review.

**Corrective Action Attachments**

- WRPS-PER-2014-0974-10 evaluation.docx

Actionee	Action Due Date	Status	E-STARS Number
Schmoltdt, Mike J	02/12/2015	Closed	WRPS-PER-2014-0974.11
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

track receipt of the final analysis.

**Deliverable**

completed reported attached to the E-STARS action.

**Corrective Action Attachments**

- RE\_ more PER changes.msg

Actionee	Action Due Date	Status	E-STARS Number
Way, Kenneth J	10/18/2016	Closed	WRPS-PER-2014-0974.12
CAP Reportable	ORPS Reportable	NTS Reportable	LTCA Reportable
No	No	No	No

**Action**

The evaluations and resolutions necessary to address the elements of monitoring identified in this PER are wholly contained and addressed in Activity ID CAA-VIP160FY16-1 Aerosol Evaluation.

Verify completion of Activity ID CAA-VIP160FY16-1 Aerosol Evaluation.

**Deliverable**

A statement indicating the activity has been completed with a summary of key outcomes.

**Corrective Action Attachments**

- RE\_ need your help.msg
- SRNL Report.pdf

**ATTACHMENTS**

Link to PER

Down stream HEPA filters( old)

HEPA Filter Data

HEPA Filter Data

HEPA Filter Data

Copy of P1010544.jpg

P1010546.jpg		
P1010547.jpg		
P1010561.jpg		
P1010563.jpg		
PAAA_Screen_PER-2014-0974.pdf		
RE_WRPS-PER-2014-0974_6.msg		
RE_WRPS-PER-2014-0974.msg		
IDMS Archive Link		
RE Concurrences RM Requested to re-open -- RE Session on WRPS-PER-2014-0974.msg		
AN Cam Copy of Copy of 20142152_Data_Summary_Report.xls		
OZONE.pdf		
CAM-study.rtf		
AN Mercury.pdf		
EnclosureAN.pdf		
IDMS Archive Link		
<b>AUDIT HISTORY</b>		
<b>Change Date</b>	<b>Auditor</b>	<b>Comments</b>
06/02/2014 11:01	Slaugh, Don M	Initiator Tab initial submission.
06/02/2014 11:50	McFerran, Brandon E	SO Tab initial submission.
06/03/2014 12:48	Owen, Annette	Screening Tab initial submission.
06/03/2014 13:11	Thom, Barry	PAAA Tab initial submission.
06/04/2014 09:55	Owen, Annette	Originator Contact Task Launched by Owen, Annette
06/04/2014 09:55	Owen, Annette	Responsible Manager Task Launched by Owen, Annette
07/22/2014 14:50	Henes, Amber R	Apparent Cause Tab initial submission.
07/25/2014 08:30	Thom, Barry	PAAA Screening Changed PAAA Screening Comments Changed PAAA Codes Changed PAAA Function Codes Changed
07/31/2014 09:00	Brown, Robert L	Apparent Cause Tab initial submission.
07/31/2014 09:01	Brown, Robert L	Apparent Cause Tab initial submission.
07/31/2014 09:01	Brown, Robert L	'Extent of Condition' was changed. Minor edits to add reference to Corrective Actions.
08/25/2014 14:31	Brown, Robert L	Change to Cause Analysis screen/Corrective Action plan.
08/25/2014 14:49	Schmoldt, Mike J	Change to Cause Analysis screen/Corrective Action plan.
08/25/2014 14:50	Brown, Robert L	Change to Cause Analysis screen/Corrective Action plan.
08/25/2014 14:56	Schmoldt, Mike J	Change to Cause Analysis screen/Corrective Action plan.
08/25/2014 15:22	Brown, Robert L	Change to Cause Analysis screen/Corrective Action plan.
08/25/2014 15:31	Brown, Robert L	Apparent Cause Tab initial submission.
08/25/2014 15:31	Brown, Robert L	Apparent Cause Tab initial submission.
08/25/2014 15:31	Brown, Robert L	'Causal Analysis' was changed. 'Causes' was changed. Modified in discussion with IH Staff, anticipate RM review prior to launching of actions.
08/26/2014 07:54	Brown, Robert L	Apparent Cause Tab initial submission.
08/26/2014 07:54	Brown, Robert L	Apparent Cause Tab initial submission.
08/26/2014 07:54	Brown, Robert L	Apparent Cause Tab initial submission.
08/26/2014 07:54	Brown, Robert L	'HPI Error Precursors were changed.' 'Causal Analysis' was changed.

08/26/2014 07:54	Brown, Robert L	'HPI Error Precursors were changed.' 'Causal Analysis' was changed.
08/26/2014 07:56	Brown, Robert L	Change to Cause Analysis screen/Corrective Action plan.
08/26/2014 12:12	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
08/26/2014 12:26	Owen, Annette	Apparent Cause Tab initial submission.
08/26/2014 12:48	Henes, Amber R	Change to Cause Analysis screen/Corrective Action plan.
08/26/2014 12:57	Henes, Amber R	Change to Cause Analysis screen/Corrective Action plan.
08/26/2014 13:01	Henes, Amber R	Apparent Cause Tab initial submission.
08/26/2014 13:01	Henes, Amber R	Apparent Cause Tab initial submission.
08/26/2014 13:01	Henes, Amber R	'Causal Analysis' was changed.
08/28/2014 07:56	Brown, Robert L	Apparent Cause Tab initial submission.
08/28/2014 07:57	Brown, Robert L	Apparent Cause Tab initial submission.
08/28/2014 07:57	Brown, Robert L	'Causal Analysis' was changed. Performed a spell check and corrected spelling errors
08/28/2014 07:57	Brown, Robert L	Corrective actions Launched by Brown, Robert L
09/09/2014 08:34	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
09/09/2014 08:35	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.7) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-09-15 00:00:00.0 to 10/15/2014 per attached e-mail request.
09/15/2014 14:02	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
09/15/2014 14:02	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-09-15 00:00:00.0 to 10/01/2014 per attached e-mail request.
09/15/2014 15:09	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
09/15/2014 15:10	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.6) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-09-15 00:00:00.0 to 10/30/2014 per attached e-mail request.
09/22/2014 15:15	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
09/22/2014 15:16	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.8) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-09-15 00:00:00.0 to 10/08/2014 per attached e-mail request.
10/01/2014 08:35	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
10/01/2014 08:35	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-10-01 00:00:00.0 to 10/15/2014 per attached e-mail request.
10/20/2014 15:43	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
10/20/2014 15:43	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-10-15 00:00:00.0 to 10/29/2014 per attached e-mail request.
10/20/2014 15:49	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
10/20/2014 15:50	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to

		synchronize with E-STARS. 'Action Due Date' was changed from 2014-10-29 00:00:00.0 to 11/12/2014 per attached e-mail request.
10/29/2014 08:49	Charlo, Shannon	Change to Cause Analysis screen/Corrective Action plan.
10/29/2014 14:44	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
10/29/2014 14:47	Owen, Annette	Apparent Cause Tab initial submission.
10/29/2014 14:47	Owen, Annette	Corrective actions Launched by Owen, Annette
11/03/2014 15:48	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
11/03/2014 15:49	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.1) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-10-30 00:00:00.0 to 11/30/2014 per attached e-mail request.
11/12/2014 11:40	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
11/17/2014 14:41	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
11/17/2014 14:42	Owen, Annette	Corrective Action item A Kunz to R Stone as A Kunz has left the company. Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-11-12 00:00:00.0 to 11/26/2014 per attached e-mail request.
11/25/2014 07:37	Kraus, Jennifer V	Change to Cause Analysis screen/Corrective Action plan.
11/25/2014 07:39	Kraus, Jennifer V	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Actionee' was changed from Stone, Richard to Mike Gallagher. See attached email for concurrence. JVK
11/25/2014 08:19	Kraus, Jennifer V	Corrective Action item (WRPS-PER-2014-0974.3) - modification to synchronize with E-STARS. 'Actionee' was changed from Richard Stone to Mike Gallagher. See attached email for concurrence. JVK
11/25/2014 08:20	Kraus, Jennifer V	Corrective Action item (WRPS-PER-2014-0974.4) - modification to synchronize with E-STARS. 'Actionee' was changed from Richard Stone to Mike Gallagher. See attached email for concurrence. JVK
11/25/2014 08:21	Kraus, Jennifer V	Corrective Action item (WRPS-PER-2014-0974.5) - modification to synchronize with E-STARS. 'Actionee' was changed from Richard Stone to Mike Schmoltdt. See attached email for concurrence. JVK
12/01/2014 09:35	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
12/01/2014 09:36	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.1) - modification to synchronize with E-STARS. 'Actionee' was changed from Richard Stone to Mike Schmoltdt per attached e-mail request.
12/01/2014 09:36	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.11) - modification to synchronize with E-STARS. 'Actionee' was changed from Richard Stone to Mike Schmoltdt per attached e-mail request.
12/01/2014 10:43	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
12/01/2014 10:50	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
12/01/2014 15:12	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
12/01/2014 15:12	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-11-26 00:00:00.0 to 12/24/2014 per attached e-mail request.
12/01/2014 15:13	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.1) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-11-30 00:00:00.0 to 12/16/2014 per attached e-mail request.

12/01/2014 15:24	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
12/09/2014 13:08	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
01/13/2015 09:27	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
01/13/2015 09:27	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2014-12-24 00:00:00.0 to 03/18/2015 per attached e-mail request.
06/10/2015 07:35	Charlo, Shannon	Change to Cause Analysis screen/Corrective Action plan.
06/10/2015 07:37	Charlo, Shannon	Corrective Action item (WRPS-PER-2014-0974.3) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2015-06-09 00:00:00.0 to 12/01/2015. Per Rich Stone meeting of 6/10/2015, due date was extended to 12/1/2015.
08/10/2015 11:49	Charlo, Shannon	Change to Cause Analysis screen/Corrective Action plan.
08/10/2015 11:49	Charlo, Shannon	Change to Cause Analysis screen/Corrective Action plan.
08/10/2015 11:50	Charlo, Shannon	Corrective Action item (WRPS-PER-2014-0974.2) - modification to synchronize with E-STARS. 'Action Due Date' was changed from 2015-03-18 00:00:00.0 to 10/13/2015. See attached extension request email.
10/14/2015 12:32	^PER Coordinator	PER was reopened by AutoClose because the E-Stars task was reopened
10/14/2015 12:36	Winters, Jacki	Change to Cause Analysis screen/Corrective Action plan.
10/14/2015 12:40	Winters, Jacki	Apparent Cause Tab initial submission.
10/14/2015 12:46	Winters, Jacki	PER/E-STARS re-opened 10/14/2015. 'Assigned Responsible Manager' was changed from RC Stone (Inactive Employee) to BR Mako. Additional corrective action entered to track Activity ID CAA-VIP160FY16-1 Aerosol Evaluation. JHWinters 10/14/2015. See attachment 'RE: Concurrences & RM Requested to re-open -- RE: Session on WRPS-PER-2014-0974.msg'. JHWinters 10/14/2015.
10/14/2015 12:47	Winters, Jacki	Corrective actions Launched by Winters, Jacki
08/04/2016 08:54	Owen, Annette	Change to Cause Analysis screen/Corrective Action plan.
08/04/2016 08:55	Owen, Annette	Corrective Action item (WRPS-PER-2014-0974.12) - modification to synchronize with E-STARS. 'Actionee' was changed from B Mako to K Way as Mako is no longer with the company.
11/29/2016 13:17	^PER Coordinator	PER closed automatically due to E-STARS task closure.

-- End of Report --  
04/11/2017 10:58 AM