Message (Digitally Signed)

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]
Sent: 8/4/2017 1:32:23 PM
To: Wayne Miller [Miller.Wayne@azdeq.gov]; d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]
CC: steve@uxopro.com; Davis, Eva [Davis.Eva@epa.gov]; Stuart C. Pearson (Stuart.Pearson@amecfw.com) [Stuart.Pearson@amecfw.com]; Smallbeck, Donald R. [Donald.Smallbeck@amecfw.com]; Geoff Watkin [Geoff.Watkin@SpecProSvcs.com]; William Hughes [William.Hughes@SpecProSvcs.com]
Subject: FW: SVE status
Attachments: ST012 Sump pic 1.jpg; ST012 Sump pic 2.jpg; smime.p7s

Carolyn and Wayne-

Please see Don's email below and the attached photos on an unplanned shutdown of the ST012 SVE system. The system was restarted on August 2, 2017. Please let Don or me know if you have any questions. Thanks

Cathy

//SIGNED//
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-----Original Message-----
From: Smallbeck, Donald R. [mailto:Donald.Smallbeck@amecfw.com]
Sent: Thursday, August 03, 2017 11:35 AM
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>
Subject: [Non-DoD Source] SVE status

Cathy

I wanted to provide you an update on the status of the ST012 SVE system sump replacement. On Tuesday, 25 July, 2017 the ST012 SVE system shut down due to excessive production of liquid in the flame oxidizer vapor liquid separator. The previous evening there had been a significant rain event that left standing water at several locations across the site. On Wednesday 26 July, 2017, following inspection of the SVE system conveyance piping, a hole was detected in one of the two original system sumps. It was determined that the system had been pulling in rain water through the hole when the system was under vacuum which caused the excessive liquid production; there was no evidence of petroleum hydrocarbons being released from the breech (no soil staining, odor or sheen on standing water). Any residual condensate in the sump would have been entrained through the system during operation prior to shut down due to the infiltration of the rainwater.
The sumps, which were part of the original system construction, were made of steel and showed signs of significant corrosion (see attached pictures). Following acquisition of the parts and materials, AMEC Foster Wheeler personnel removed both existing sumps and replaced them with sumps constructed of Schedule 80 PVC. Following replacement of the sumps the system was restarted on the morning of 2 August, 2017 and placed back into normal operation. Let me know if you have any questions or would like to discuss this in greater detail.

D.R. Smallbeck
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