From: David Beattie
To: Sager, John E - DNR; Matthew Turner
Subject: RE: Update Request
Date: Friday, August 3, 2018 9:33:49 AM

John,

Below is a summary of the ongoing efforts on the site. I am hoping to send out the updated results tables as well today. If you have any questions on what I have included below please let me know. As discussed, here is the link to the monthly community updates Husky is providing: http://www.huskyenergy.com/superior/updates.asp

Water:

- Effluent discharge from the WWTP/GAC system continues to be non-detect for PFOA/PFOS
- The second GAC system is currently being utilized (first system remains on standby, carbon was changed out and reloaded in the lead vessel in mid-July)
- The current flow has been around 180gpm and discharge is to our on-site constructed wetlands prior to flowing off-site to the impoundment
- With the lack of rain over the last several weeks we were able to draw down pond 4 and ponds 2/3 and send that water through the WWTP/Treatment system
- From 7/20 to 7/31 discharge from the WWTP was recirculated back on-site to our ponds in order to maintain sufficient fire water capacity in ponds 2/3
- Weekly Newton Creek sampling for PFAS is still ongoing

Air:

- As of 8/2/18 we have 10 fixed monitors in place around the process areas/warm zone collecting data. Additional monitors have been used to support efforts as needed
- De-inventory operations over the last few weeks have involved our Propane/Butane storage vessels and the north Crude area
- Asbestos removal and monitoring continues

Wildlife:

- The laser network is still up and running and Focus Wildlife remains on-site
- An oiled robin and oiled water vole were captured this week. The robin was cleaned and released yesterday, hoping to release cleaned water vole today
- **Updated Overall Event Summary:**

  Deceased Wildlife: 2 rabbits, 1 weasel, 1 fawn, 3 grackles, 3 robins, 1 starling, 1 American bittern, 2 geese, 1 redwing blackbird, 4 unidentified birds, 2 frogs

  Wildlife released after cleaning : 5 geese, 4 goslings, 3 mallards, 3 Killdeer (1 adult and 2 chicks), 1 robin

  Wildlife Currently in Captivity: Oiled Water Vole (hope to release today)

Relocated: 30 adult geese, 63 goslings

Product Recovery/Removal:

- Asphalt removal is still ongoing in the affected areas
- Overall estimated asphalt removal by surface area is 79%. Currently working on removal at the southern portion of the FCCU and the asphalt tank farm. By surface area, estimated that 94% of the process area asphalt has been cleared and 22% of the tank farm asphalt
- Approximately 3324 tons of asphalt have been removed as of 7/25/18

Thanks,

Dave

From: Sager, John E - DNR [mailto:John.Sager@wisconsin.gov]
Sent: Thursday, August 2, 2018 4:48 PM
To: Matthew Turner <Matthew.Turner@huskyenergy.com>; David Beattie <David.Beattie@huskyenergy.com>
Subject: Update Request

Hi Matt and Dave,

Can you please send me an update on the response to the refinery fire. I spoke to Dave Morrison, EPA, today and he is looking for an update as well.

Thank you.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Sager
Hydrogeologist – Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1701 N. 4th St.
Superior, WI 54880
Phone: (715) 392-7822
Fax: (715) 392-7993
john.sager@wisconsin.gov

dnr.wi.gov