To: Moore, Brian[briamoore@pa.gov]
Cc: Leib, Kerry[kleib@pa.gov]; Nesmith, Rodney[rnesmith@pa.gov]; Conrad, Robert[roconrad@pa.gov]; Landis, Victor[vlandis@pa.gov]; Bebenek, Maria[mbebenek@pa.gov]; Langer, Lynn[llanger@pa.gov]; Repetz, John[JREPETZ@pa.gov]; Ham, Greg[Ham.Greg@epa.gov]; Scheetz, Lynne[lscheetz@pa.gov]; Chescattie, Edgar[echescatti@pa.gov]; Shaul, Thomas[tshaul@pa.gov]; Anderson, Angela[anganderso@pa.gov]; Fridirici, H. Thomas[hfridirici@pa.gov]; Daniels, Lisa[ldaniels@pa.gov]; Embeck, Mark[membeck@pa.gov]; Rathfon, Anthony[arathfon@pa.gov]; Horvath, Kathleen[khorvath@pa.gov]; Krueger, John[jkrueger@pa.gov]; Kunkel, Summer[sukunkel@pa.gov]; Mike Fetrow[mlfetrow@ycdes.org]; Randy Gockley[rgockley@lema.co.lancaster.pa.us]; Tom Graybill[tagraybill@ycdes.org]
From: John Eline
Sent: Sat 6/13/2015 2:22:03 PM
Subject: Re: Miller Chemical Fire: Safe Drinking Water Update / Status Upadate 6-12-15

;;;;;;
Hey Brian!
Sorry to bother you on your day off and we can all use a break, however brief.
I appreciated the update from the site yesterday and I am planning a site visit this afternoon.
If you or Jason have any updates, I'll be watching my email closely and I am available by cell phone.
Thanks,
John Eline

Sent from my Verizon Wireless 4G LTE DROID

"Moore, Brian" wrote:

All,

I just got back from the Miller site and wanted to provide a brief update for the weekend, if any of you are checking.

1) The interceptor trench stood up to a small thunderstorm fairly well, no material was observed leaving the fields. Jason Shirey had several recommendations to better manage the stormwater and they were being implemented when I left.

2) Slegel's Run still looks good there is going to be a minimal amount of material entering the stream as a result of it being in some of the soil between the interceptor trench but observing how fast the height rose in the stream during the storm I believe that with the main source eliminated the residual amount will be easily diluted, I didn't see any discoloration from the material in Slegel's Run while I was there or anytime after the storm was over.

3) Jason will be at the site tomorrow, I have him starting at the Susquehanna and looking for impacts where the Conewago enters the river and then moving back upstream to the site. I only have him observing and taking dissolved oxygen readings in the Conewago, Environ will be collecting water samples. Jason will also be observing how the containment holds up if we get

any storms tomorrow and whether additional frac tanks are received to continue removing material from the swale.

4) Derry Township PTOW has agreed to take 10,000 gallons of material to see how it is handled in their plant. EP & S will be taking that to them first thing tomorrow morning. (A big thanks to Lynn and Tim Wagner for facilitating that this afternoon)

5) A 1,000,000 gallon storage tank is expected to be onsite late tonight or early tomorrow morning. I have expressed that anything less than them working 24 hours a day in erecting the tank would be unacceptable, the goal is to have it accepting contaminated water by 10PM Sunday night and hopefully earlier.

I expect to hear back from Jason tomorrow morning and will provide an update as I get it.

Thank you for your time, enjoy your weekends, and again if you need anything further please feel free to contact me directly.

Brian

Brian L. Moore| Manager

Emergency Response Program

Department of Environmental Protection

909 Elmerton Avenue | Harrisburg, PA 17110

Phone: 717.705.4741 | Fax: 717.705.4890

www.depweb.state.pa.us

The 24-hour toll free Emergency Response number for the SCRO is: 866-825-0208

From: Moore, Brian
Sent: Thursday, June 11, 2015 7:39 PM
To: Leib, Kerry; Nesmith, Rodney; Conrad, Robert; Landis, Victor; Bebenek, Maria; StateEOC, Pennsylvania; Langer, Lynn; Repetz, John; Greg Ham; jeline@adamscounty.us; kfrank@adamscounty.us
Cc: Scheetz, Lynne; Chescattie, Edgar; Shaul, Thomas; Anderson, Angela; Fridirici, H. Thomas; Daniels, Lisa; Embeck, Mark; Rathfon, Anthony; Horvath, Kathleen; Krueger, John; Kunkel, Summer
Subject: RE: Miller Chemical Fire: Safe Drinking Water Update / Status Upadate 6-11-15

All,

I have talked with all of you over the past several days and wanted to provide another update from the site. I just returned from Miller Environmental and here is the current status.

1) Interceptor trenches have been dug on both sides of the drainage swale which has the contaminated runoff in it. Their purpose is to keep clean water from entering the swale and they

will be directed or pumped to Slegel's Run.

2) A large containment pit has been dug in the drainage swale approximately 100 yards from Slegel's Run. This pit is approximately 15' wide 8' deep and 100' long. There is a stone dust/sand filter at the upper end of it. With that pit in place no runoff was entering Slegel's Run while I was onsite. The stream looked clear. If the containment measures are able to withstand a thunder storm event without putting a slug of material into the stream we will be in good shape moving forward.

3) A 1 million gallon temporary tank is en route to the site and will be assembled over the next several days. This will allow EP & S to remove water from the drainage swale and stage it for disposal off site.

4) Environ has completed a sampling plan for monitoring the streams and our Clean Water program is reviewing it.

5) Samples are expected back from the laboratory regarding the waste analysis of the water currently stored in frac tanks and EP & S is exploring disposal options. I indicated to them that waiting until the middle of next week to start moving material is unacceptable and that I expect them to be moving waste offsite over the weekend. I did say that if they had sites they want to use that we can help them by communicating the severity of the situation to the disposal site and working with them regarding acceptance of the material, rather than go through the 3-5 business day process.

6) The building is being demolished and the half burned chemicals inside the plant are being staged and characterized for disposal.

There are still variables that need to be addressed going forward however with the press release going out, the containment in place, the progress towards getting an offsite disposal location and the current condition of Slegel's Run there are a few positives today. We will still need to address the soil contamination onsite and in the swale, as well as determine if the current containment is effective through a storm event and then determine when the Conewago is clean enough to be used as a water supply. We will also need to look at the private citizens who have contacted the Department and evaluate their concerns, I anticipate doing that with Greg Ham w/ the EPA tomorrow.

If anyone has any questions or would like additional information please feel free to contact me directly.

Brian

Brian L. Moore| Manager

Emergency Response Program

Department of Environmental Protection

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Phone: 717.705.4741 | Fax: 717.705.4890

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The 24-hour toll free Emergency Response number for the SCRO is: 866-825-0208

From: Moore, Brian
Sent: Tuesday, June 09, 2015 7:24 PM
To: Leib, Kerry; Nesmith, Rodney; Conrad, Robert; Landis, Victor; Bebenek, Maria; StateEOC, Pennsylvania; Langer, Lynn; Repetz, John; Greg Ham; jeline@adamscounty.us; kfrank@adamscounty.us
Cc: Scheetz, Lynne; Chescattie, Edgar; Shaul, Thomas; Anderson, Angela; Fridirici, H. Thomas; Daniels, Lisa; Embeck, Mark; Rathfon, Anthony; Horvath, Kathleen; Krueger, John; Kunkel, Summer; Moore, Brian
Subject: Miller Chemical Fire: Safe Drinking Water Update / Status Upadate 6-9-15

All,

I wanted to provide a summary of the meetings and conference calls I've been involved with today and provide that to all programs and also PEMA. I will try and summarize what has been a day full of discussions with multiple programs, agencies, and companies. If I miss something that has been discussed in a program meeting please feel free to provide updated information.

- As of approximately 12 pm today (6/9/15) firefighting activities at Miller Chemical and Fertilizer were stopped and the facility was turned over to company for their insurance personnel to inspect the site and prepare for demolition. Environmental Products and Services has been onsite since yesterday, 6/8/15, attempting to collect as much runoff water as possible. Estimates from Hannover Borough water say that approximately 3.8 million gallons of water was used during the firefighting operations. EP & S has been able to collect approximately 250,000 gallons. The rest of that water traveled just over ½ mile through drainage swales and farm fields ditches and entered or is in the process of entering an Unnamed Tributary to the South Branch of the Conewago locally referred to as 'Slagle's Run'. The runoff water is very visible and is colored dark purple to brown/black in the water.

- Two water intakes are affected by the runoff. One, in Slagel's Run, is a backup, secondary, intake used by Hanover Borough, the intake has not been used since it was exercised in April and it is not anticipated to be needed until August. The valves to the pump station are closed to prevent any back flow from entering and potentially contaminating the intake. The second, in the South Branch of the Conewago, is the main source of drinking water for the New Oxford Municipal Authority (NOMA). That intake was closed as of 08:35 on 6/8/15 and is not believed to be impacted by the runoff. An emergency sample kit was used in the clear well of the water plant and **preliminary** results from the DEP laboratory indicate that it was not impacted.

- New Oxford Municipal Authority does have an interconnection with the York Water Company which was installed to provide a back up to the water intake in the event it was unusable, such as now. That interconnection is capable of providing 576,000 gallons of water per day to NOMA. The current usage by NOMA is approximately 700,000 gallons per day. The difference is currently being made up with water from NOMA's storage tanks. At approximately 10:30 on

6/9/15 NOMA issued mandatory water restrictions asking for residents and business to reduce their water usage (similar to what would be in place during a drought). NOMA also informed the Department on 6/9/15 that they had between 2 and 3 days of storage left in their tanks at their current usage. Alternatives are being explored with the York Water Company for them to provide NOMA with additional water however, they are being limited by the infrastructure currently in place in the NOMA system, specifically the size of the pipes and their ability to take additional pressure without causing a water main break. York Water and NOMA are working through those issues and I anticipate the Department receiving an update from them on 6/10/15. Other potential alternatives being explored, such as trucking water and/or reducing or cutting flows to commercial and industrial customers, however they are likely worst case scenario's.

- An emergency sample kit was used at Slagel's Run on 6/8/15. The **preliminary** results are consistent with runoff from a chemical and fertilizer fire ie: elevated levels of nutrients and metals as well as some herbicides, volatile organic compounds and very high Total Organic Carbon. The samples results showed concentrations which are above Maximum Contaminant Levels and are not able to be removed by the NOMA filter plant essentially making the water intake and plant useless until contamination has passed by the plant. At this point in time there is no time table for that to happen as it is going to be dependent on the flow through the swale and ditches. There are also concerns that the contaminants are in the soil in the swales and ditches and that even when dry they may continue to flow into Slagel's Run during rain events.

- I have been in contact with Miller Chemical and Fertilizer as well as their pollution prevention contractor hired by their insurance company. Both the company and the contractor have been made aware of the impacts to the water systems and the need to eliminate the flow of the contaminants into Slagel's Run. As of 18:35 on 6/9/15 they are trying to dam the swales with sand in an attempt to filter the runoff as well as pump as much as possible out. They are also looking to try and divert the runoff into a field as opposed to Slagel's Run and are working with nearby property owners. Additionally, they have discussed scraping and removing the contaminated soil from the swales and ditches.

- A meeting/conference call between Southcentral Regional Staff, Adams County EMA, EPA On Scene Coordinators Office and Miller Chemical and Fertilizer is anticipated to take place tomorrow, 6/10/15, in the morning to discuss cleanup plans proposed by the consultants. (The EPA on scene coordinators office has been briefed on the situation in the event the incident has long term implications and additional assistance is needed.)

The main summary is that until the contamination stops flowing into Slagel's Run and the contaminants are reduced in the South Branch of the Conewago the intake for NOMA (and Hannover Borough) is unable to be used. The potential for long term impacts from rain events continuing to wash contaminants into Slagel's Run is also a concern however in my initial discussions with Miller Chemical and Fertilizer and their consultants they ***seem*** to understand the potential impacts to NOMA and are willing to do what is necessary to alleviate the issue.

Following the meeting with Miller Chemical and Fertilizer and talk with NOMA and York water and additional update will be provided. I do not anticipate having something concrete until tomorrow afternoon at the earliest.

If anyone has any other questions please feel free to contact me directly. Again, if any of the programs has additional or updated information to provide please feel free to provide it. I did not get into specifics on the sample results as the final results have not been received.

Thanks

Brian

Brian L. Moore| Manager

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