To: Roberts, Kris D.[kroberts@nd.gov]; David Cawthon[dcawthon@cteh.com]; johnpavlicek@garner-es.com[johnpavlicek@garner-es.com]
Cc: Peronard, Paul[Peronard.Paul@epa.gov]; dglatt@nd.gov[dglatt@nd.gov]; Rockeman, Karl H.[krockema@nd.gov]; stillots@nd.gov[stillots@nd.gov]; sradig@nd.gov[sradig@nd.gov]; cmckissack@garner-es.com[cmckissack@garner-es.com]; Harlon, William D III NWO[William.D.Harlon@usace.army.mil]; Gouger, Timothy P NWO (First Responder)[Timothy.P.Gouger@usace.army.mil]; MikeC@redriversupply.us[MikeC@redriversupply.us]; Casey Anderson (canderson@garner-es.com)[canderson@garner-es.com]
From: Scott Kluska
Sent: Wed 8/27/2014 10:57:06 PM
Subject: RE: Red River Supply - Little Muddy Relief Channel Sediment Sampling

Thanks Kris. We will work on getting these Sediment samples collected and analyzed in the very near future. Please enjoy your time off and we will be in touch.

As you know we are still in need of the soil cleanup criteria for the soil remediation work onsite at the Red River Supply location. You had indicated that you were working on developing this criteria based on the pre-excavation soil sampling results. Who will be providing that to us hopefully tomorrow?

Thanks again.

Scott Kluska

Sr. Consultant

Center for Toxicology and Environmental Health, LLC (CTEH)

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From: Roberts, Kris D. [mailto:kroberts@nd.gov]
Sent: Wednesday, August 27, 2014 6:43 PM
To: Scott Kluska; David Cawthon; johnpavlicek@garner-es.com
Cc: Peronard, Paul; Glatt, Dave D.; Rockeman, Karl H.; Tillotson, Steve J.; Radig, Scott A.; cmckissack@garner-es.com; Harlon, William D III NWO; Gouger, Timothy P NWO (First Responder)
Subject: RE: Red River Supply - Little Muddy Relief Channel Sediment Sampling
Importance: High

Scott:

I have reviewed the data on the soil sampling in the runoff patterns at the Red River Supply location, relating to the fire of July, 2014. These soil samples were collected and analyzed for a wide range of organic and inorganic chemicals and parameters. This sampling and analytical regime was settled on not only to assist in determining the disposition of impacted soils on location, but also, as agreed between the ND DoH, US EPA, and the onsite ACE representatives, to guide in choice of analytical parameters for sampling of sediments in the impacted portions of the Little Muddy Relief Channel.

Therefore, below please find the sampling protocol and analytical parameters that I determine will best characterize any impact that runoff from the fire has had on the sediments of the Little Muddy Relief Channel.

1) Collect one or more sediment samples from the first 6 inches of sediment below the water/sediment interface a location approximately 1,000 feet upstream of Broadway Avenue/ND 1804. This sample(s) should be analyzed for the full suite of analytical parameters, inorganic and organic, that the onsite samples have been analyzed for.

2) Downstream of Broadway/ND 1804, collect sediment samples as previously discussed, from Broadway to the ACE office culvert, in the first 6 inches of sediment below the water/sediment interface, and analyze for the following parameters:

a. Total petroleum hydrocarbons for the diesel range (DRO) and the oil range (ORO)

b. Chloride

c. Sodium

d. Aluminum

e. Barium

f. Iron

g. Magnesium

When these results are available, please submit them to the department and US EPA along with a site map showing sampling locations.

If you have any questions, please contact Paul Peronard or Karl Rockeman (until September 14), or myself after September 14.

Sincerely,

Kris Roberts

Environmental Response Team Leader

ND Department of Health

Division of Water Quality

918 E. Divide Ave, 4th Floor

Bismarck, ND 58501-1947

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From: Scott Kluska [mailto:skluska@cteh.com]
Sent: Monday, August 18, 2014 12:17 PM
To: Roberts, Kris D.; David Cawthon; johnpavlicek@garner-es.com
Cc: Peronard, Paul; Glatt, Dave D.; Rockeman, Karl H.; Tillotson, Steve J.; Radig, Scott A.; cmckissack@garner-es.com; Scott Kluska
Subject: RE: Red River Supply - Interim Remedial Action Plan

Kris,

As a follow-up to our phone conversation a few minutes ago. I have attached the laboratory data for the soil samples collected on the Schlumberger property. Also attached is a diagram showing where those samples were collected. As I mentioned we have not received the results back on the other soil samples location shown on the diagram.

Also per our discussion, you indicated that you are ok with our modification to the Interim Remedial Action Plan that we are going to be taking soil samples on the same grid approach as the post-excavation plan, but we will be collecting them from 0-6" in the grid fashion with each quadrant having 50 aliquots combined into 1 composite sample. These will be analyzed for the same parameters as total s and used to determine what if any soil will need to be excavated.

As for the NDDH soil cleanup criteria, you indicated that you will utilize the results from the soil sampling events to come up with site specific cleanup criteria to be sued for this project.

We look forward to seeing you and Steve Tillotson onsite this Thursday.

I will send the lab results in this +2 more emails to ensure the files sizes to not cause the emails to get kicked back.

Thanks

Scott Kluska

Sr. Consultant

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From: Roberts, Kris D. [mailto:kroberts@nd.gov]
Sent: Monday, August 18, 2014 9:12 AM
To: Scott Kluska; David Cawthon; johnpavlicek@garner-es.com
Cc: Peronard, Paul; Glatt, Dave D.; Rockeman, Karl H.; Tillotson, Steve J.; Radig, Scott A.
Subject: RE: Red River Supply - Interim Remedial Action Plan

Mr. Kluska:

I have reviewed the sampling and contaminated soil excavation plan submitted with your email below.

Your pre-excavation soil sampling plan appears adequate for initial site characterization. However, it may not be sufficient for waste characterization, for disposal destination purposes. Please confer with your disposal facility and our Waste Management Division on that matter.

Your excavation plan appears acceptable to the department, unless unexpected situations arise, in which case you will need to discuss any needed changes with us immediately.

Your confirmation sampling and analysis plan is comprehensive and acceptable in your gridded areas. In the fire runoff paths and accumulation areas, as depicted in the early site photographs, Paul Peronard and I verbally discussed a sampling plan with Jeff LaRock. From the time period when we did that, the samples there may already be collected, and analyses possibly back. Please let me know if that is the case, and forward those analytical results to me ASAP, as well as those taken previously in that area of the exclusion zone on the Schlumberger property.

As I indicated in an earlier e-mail this morning, your request for soil cleanup standards are problematic in this case. While there are some guidelines that the department uses in cases of petroleum hydrocarbon/fuel releases, and some US EPA PRGs (preliminary remediation guidelines), a fire situation such as this must rely most heavily on what was in the warehouse at the time of the fire, and what may be residual. The Department will review the information from your pre-excavation and confirmation sampling, and make necessary determinations based on that. Therefore, please submit the analytical results as quickly as possible so that we may review, and work with Red River Supply, Garner, and CTEH in any further sampling and analytical work required, including previously discussed groundwater assessment.

If you have any questions, please contact me.

Kris Roberts

Environmental Response Team Leader

ND Department of Health

Division of Water Quality

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From: Scott Kluska [mailto:skluska@cteh.com]
Sent: Thursday, August 14, 2014 3:03 PM
To: Peronard.Paul@EPA.Gov; Roberts, Kris D.
Subject: Red River Supply - Interim Remedial Action Plan
Importance: High

Paul / Kris,

Attached is the Draft Interim Remedial Action Plan for the Red River Supply – Williston, ND fire site. Please review and let me know if you have any questions or comments.

Thanks

Scott Kluska

Sr. Consultant

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