From: Borries, Samuel
To: Maguire, Andrew; Mendez, Thomas; Behnke, Kristina; Ribordy, Michael
Subject: FW: U.S. Steel Hexavalent Chrome Release ER Notification #1 (Initial) Portage, IN
Date: Monday, April 24, 2017 9:24:38 AM
Attachments: SWPP 68th Crib 04171817 Cr+.xls.xlsx
US Steel Lake Survey East of SWPP 68th Crib 041717 Cr+GIS.xls.xlsx
386795_20170419__EMT-IL_20170419-TAT.pdf
386851_20170419__EMT-IL_20170420-TAT.pdf
386779_20170419__EMT-IL_20170419-TAT.pdf
MP_CTR_JSM_Sample_Locations_USSteelSpill_DetailedTable_0417Survey_20170421.pdf

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FYI

From: Poy, Thomas
Sent: Monday, April 24, 2017 8:10 AM
To: Borries, Samuel ; Mendez, Thomas
Cc: Korleski, Christopher ; Henry, Timothy
Subject: FW: U.S. Steel Hexavalent Chrome Release ER Notification #1 (Initial) Portage, IN

Here are Chicago's sampling results from the new grid that is about half way between the Southshore intake and US Steel. All results are between 0.16 ppb and 0.18 ppb – what they normally see in the lake.
Tom

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Tom Poy
Chief, Ground Water and Drinking Water Branch
USEPA - Region 5
(312) 886-5991

From: Stark, Alan [mailto:Alan.Stark@cityofchicago.org]
Sent: Friday, April 21, 2017 1:31 PM
To: Poy, Thomas <poy.thomas@epa.gov>; Ames, Mort <Mort.Ames@cityofchicago.org>; Murphy, Barrett <Barrett.Murphy@cityofchicago.org>; Hernandez-Tomlin, Julie <Julie.HernandezTomlin@cityofchicago.org>; Litherland, Gary <Gary.Litherland@cityofchicago.org>; Caminer, Irene <Irene.Caminer@cityofchicago.org>; Putz, Andrea <Andrea.Putz@cityofchicago.org>; dave McMillan <DAVE.MCMILLAN@Illinois.gov>; Wheat, Christopher <Christopher.Wheat@cityofchicago.org>; Kelly, Mike <Mike.Kelly@cityofchicago.org>; Schwer, Patrick <Patrick.Schwer@cityofchicago.org>; Skiadopoulos, Frank <Frank.Skiadopoulos@cityofchicago.org>; O'Malley, Mark <Mark.OMalley@cityofchicago.org>; Salinas, Eduardo <Eduardo.Salinas@cityofchicago.org>; Saleh, Hassen <Hassen.Saleh@cityofchicago.org>; Bresnahan, William <William.Bresnahan@cityofchicago.org>
Cc: Mary Hollingsworth <MHolling@idem.IN.gov>; Korleski, Christopher <korleski.christopher@epa.gov>; feighnerb@michigan.gov
Subject: RE: U.S. Steel Hexavalent Chrome Release ER Notification #1 (Initial) Portage, IN

Last Lake Survey Results on new grid sample scheme. All results in agreement with our quarterly samples. Attached is the final map, data and QA/QC.
Alan

From: Stark, Alan
Sent: Monday, April 17, 2017 3:55 PM
To: Poy, Thomas; Ames, Mort; Murphy, Barrett; Hernandez-Tomlin, Julie; Litherland, Gary; Caminer, Irene; Putz, Andrea; dave McMillan; Wheat, Christopher; Kelly, Mike; Schwer, Patrick; Skiadopoulos, Frank; O'Malley, Mark; Salinas, Eduardo; Saleh, Hassen; Bresnahan, William

Cc: Mary Hollingsworth; Korleski, Christopher; feighnerb@michigan.gov; Stark, Alan
Subject: RE: U.S. Steel Hexavalent Chrome Release ER Notification #1 (Initial) Portage, IN

All

Today we sampled a new grid area that is northwest from the initial grid location.

Attached is a Heat Map that overlays colors on the GIS map based on concentration of Cr6+, a good qualitative approach only.

On 4/12/17 shows the highest concentration at 1G and 1GD in red. The next day 4/13/17 another six locations were added to the east. The Heat Map shows the extreme levels being diluted and spread through the Grid Sampling area. Finally, 4/14/17 shows the concentration being pushed to the west, due to the current changes to the west.

Also, attached is today's sampling grid based on the concentration gradient moving towards the Northwest, samples were collected, pending analysis. This grid is northwest of the initial grid and depending on results.

From: Stark, Alan
Sent: Sunday, April 16, 2017 12:38 PM
To: Poy, Thomas; Ames, Mort; Murphy, Barrett; Hernandez-Tomlin, Julie; Litherland, Gary; Caminer, Irene; Putz, Andrea; dave McMillan; Wheat, Christopher; Kelly, Mike; Schwer, Patrick; Skiadopoulos, Frank; O'Malley, Mark; Salinas, Eduardo; Saleh, Hassen; Bresnahan, William; Stark, Alan
Cc: Mary Hollingsworth; Korleski, Christopher; feighnerb@michigan.gov
Subject: Re: U.S. Steel Hexavalent Chrome Release ER Notification #1 (Initial) Portage, IN

Attached are the completed results for all samples collected Friday 4/14/17. The Chromium 6+ is diluting and headed west. Samples are being taken every 6 hours from the SWPP Crib. Tomorrow, we will perform one more grid based Lake Survey but now it will be between sample locations 2S and 3S to confirm the dilution

Alan Stark
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