

Pete Hartz

Subject: Specialty Ingredients "BLUE" discharge to sanitary sewer
Location: Room 0041

Start: Wed 11/16/2022 10:30 AM
End: Wed 11/16/2022 11:00 AM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Travis Teesch

Required Attendees: Emily McFarland; Pete Hartz

Optional Attendees: Maureen McBroom; Nate Butterbrodt; Ann French; Ritchie Piltz; Dan Schultz; Anthony Rauterberg; Robert Kaminski; Andrew Beyer; Jaynellen Holloway

Handwritten notes:
- firm inspections -
* send lab cut sheets, volume used, shared business practice (we question)
sample plates → metal analysis
* cc. Jaynellen Maureen

From: Emily McFarland <EMcFarland@CityofWatertown.org>

Sent: Tuesday, November 15, 2022 1:52 PM

To: Pete Hartz <phartz@cityofwatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

My goodness! Yes, we need to meet ASAP. Jaynellen and I have a meeting at 10 but we can be done by 10:30. Please sent an invite- thanks!

From: Pete Hartz <phartz@cityofwatertown.org>

Sent: Tuesday, November 15, 2022 12:50 PM

To: Travis Teesch <TTeesch@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

That works for me, and that is what I am expecting from him as well – uncooperative and defensive.

Respectfully,
Peter A. Hartz

From: Travis Teesch <TTeesch@CityofWatertown.org>

Sent: Tuesday, November 15, 2022 12:41 PM

To: Pete Hartz <phartz@cityofwatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

I had a phone call with Mark Smith today. He became very guarded and defensive; It was not a good conversation. The result was me sending Mark information on what SARA Title III reporting involves.

I suggest this stakeholder group have a meeting to discuss further, does 10:30 tomorrows work in everyone schedule?

Travis

From: Pete Hartz <phartz@cityofwatertown.org>

Sent: Tuesday, November 15, 2022 12:33 PM

To: Emily McFarland <EMcFarland@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

We may need to move things up – today we collected a composite sample from the manhole outside the facility from Rail and Transload Inc. (Specialty Ingredients) – it was white (and tinted blue) with a crusty film on everything, so we checked it for chloride and guess what ... **17,495 mg/L** Chloride!!! Wow that's the highest amount of chloride in anything we have ever tested! That is not an allowable level of chloride to discharge into the sanitary sewer system.

My guess is they are washing out rail cars inside the facility – that is a guess only.

Respectfully,
Peter A. Hartz

From: Jaynellen Holloway <jaynellenh@CityofWatertown.org>

Sent: Monday, November 14, 2022 1:42 PM

To: Pete Hartz <phartz@cityofwatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Emily McFarland

<EMcFarland@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

Travis and Pete: Thank you for working together on this. Agreed, once Travis has met with this company, we should all meet to discuss next steps. Thank you both, again.

Jaynellen J. Holloway, P.E.
Director of Public Works/City Engineer
City of Watertown
106 Jones Street
Watertown, WI 53094
Office: 920.262.4050



From: Pete Hartz <phartz@cityofwatertown.org>

Sent: Monday, November 14, 2022 1:27 PM

To: Travis Teesch <TTeesch@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

Thanks Travis – once you finish meeting with them circle back and then we can work on setting up a meeting for this group.

In the meantime, we did sample the blue & white products and they didn't raise any concerns, but we aren't testing for everything – just some indicator parameters that would negatively impact our biosolids (i.e., metals) – both samples had higher than normal results for a few parameters which wasn't surprising (note: they are not part of our industrial pre-treatment permitted program). We did not test for volatile and synthetic organics; we will be reviewing their facility again for inclusion into our permitted program with our DNR representatives in 2023 when we have our audit.

Respectfully,
Peter A. Hartz

From: Travis Teesch <TTeesch@CityofWatertown.org>

Sent: Monday, November 14, 2022 10:39 AM

To: Emily McFarland <EMcFarland@CityofWatertown.org>; Pete Hartz <phartz@cityofwatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

All,

I spoke with Sandy from Rail & Transload, Inc. and left a message for Mark Smith saying I would like to set up a meeting with him and get to know their operation and discuss the **blue runoff** issue. I am waiting for a call back from Mark.

I took the approach of I am *"new to my position and need their help to figure out somethings"* hopefully, this puts them in a cooperative mood and lets us build a good working relationship.

I have also reached out to Melissa Johnson EPCRA compliance coordinator with the state to help get our SARA title III reporting up to date.

Travis

From: Emily McFarland <EMcFarland@CityofWatertown.org>

Sent: Monday, November 14, 2022 9:54 AM

To: Pete Hartz <phartz@cityofwatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

Please make sure this gets scheduled. Thanks!

From: Pete Hartz <phartz@cityofwatertown.org>

Sent: Thursday, November 10, 2022 12:15 PM

To: Travis Teesch <TTeesch@CityofWatertown.org>

Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>

Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

Hi Travis – did you find anything regarding this product? I had asked him to take a picture of the label and I would do a search for the SDS sheet, he discontinued our communications and I have not heard anything further from them.

Specialty Ingredients is currently known as Rail & Transload, Inc. My contact info for them is Mark Smith.

Mark Smith

Rail & Transload, Inc. / SI

546 West Street

Watertown, WI. 53094

T. 920-261-4229 X101

C. 414-378-9234

Mark.Smith@TransLoadWI.com

www.TransLoadWI.com

After discussion with the mayor, we feel it would be beneficial for us to meet and discuss further as to what options we have to get Rail & Transit to produce a list of products they handle in their facility.

Peter Hartz

Water & Wastewater Utilities Manager
City of Watertown
800 Hoffmann Drive / P.O. Box 477
Watertown, WI 53094

Phone 920-262-4085
Fax 920-262-4087
email phartz@cityofwatertown.org
Website www.ci.watertown.wi.us



From: Travis Teesch <TTeesch@CityofWatertown.org>
Sent: Saturday, October 29, 2022 2:26 PM
To: Andrew Beyer <AndrewB@CityofWatertown.org>
Cc: Maureen McBroom <MaureenM@CityofWatertown.org>; Pete Hartz <phartz@cityofwatertown.org>; Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>
Subject: Re: Specialty Ingredients "BLUE" discharge to sanitary sewer

I look through our SARA Title III information when I get back to the FD.

Travis

Sent from my iPhone

On Oct 25, 2022, at 2:07 PM, Andrew Beyer <AndrewB@cityofwatertown.org> wrote:

Engineering received notice on January 17, 2019 of a discharge from Specialty Ingredients which turned the creek south of their facilities blue. The spill was reported to WDNR and was reportedly a substance called Tafluonol, an industrial whitening agent used in paper manufacturing. I've attached the spill report received from WDNR.

Thanks,

Andrew

Andrew M. Beyer, P.E.
Assistant City Engineer
City of Watertown

106 Jones Street
Watertown, WI 53094
Office: (920) 262-4052

From: Maureen McBroom <MaureenM@CityofWatertown.org>
Sent: Tuesday, October 25, 2022 1:05 PM
To: Pete Hartz <phartz@cityofwatertown.org>
Cc: Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>
Subject: RE: Specialty Ingredients "BLUE" discharge to sanitary sewer

Hi Pete-

Thanks for the email. After the spill to the creek last December, I discussed the liquid that had spilled with WDNR's spills coordinator, Trevor Bannister. Trevor contacted Jim Martin in the WDNR's Stormwater program, as the site had previously obtained a "No Exposure Certification" under the NR 216 Industrial Storm Water Permit program. I was in touch with both Jim and Dan Bekta (also in the WDNR's Stormwater Program) earlier this year, as the City is required to show all of the WDNR-permitted businesses on our storm sewer system map that gets updated and submitted to WDNR each March. (We basically have to ask WDNR for a list of permitted businesses and add or delete any from our map.) I understand that WDNR was considering the No Exposure Certification vs. issuing an Industrial Storm Water Permit instead, both under NR 216. I have to get this info for my upcoming MS4 Map submittal, so I'll reach out to WDNR and get back to you re: whether this facility was issued a permit or not.

During the spill event last December, I did not observe anything blue on the ground outside. I did not go into the facility during my investigation.

The business receives railcars of material that is offloaded for delivery by the truckload. It's hard to say whether a particular material is being used on site, or is just being transferred from one mode to another on site. During last December's event, the owner was able to get a copy of the Safety Data Sheet and send it to me (I don't know that he had it on site before I asked).

-McB

Maureen McBroom, ENV SP
Stormwater Project Manager
City of Watertown
920-206-4264
Maureenm@cityofwatertown.org

From: Pete Hartz <phartz@cityofwatertown.org>
Sent: Tuesday, October 25, 2022 12:47 PM
To: Maureen McBroom <MaureenM@CityofWatertown.org>
Cc: Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt

<NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>; Dan Schultz <DSchultz@CityofWatertown.org>; Travis Teesch <TTeesch@CityofWatertown.org>; Anthony Rauterberg <ARauterberg@CityofWatertown.org>; Emily McFarland <EMcFarland@CityofWatertown.org>; Robert Kaminski <RKaminski@CityofWatertown.org>
Subject: Specialty Ingredients "BLUE" discharge to sanitary sewer

Hello group – Specialty Ingredients has been discharging an unknown product in the sanitary sewer – we have “blue” effluent which is not good and the first I have seen in all my years in wastewater. See attached pictures – we don’t know what this will do to our effluent. We noted this on Sunday morning and were able to track it down today with a visual confirmation in the sewer manhole coming from Specialty Ingredients. At least it’s not in the storm sewer this time – that is a positive; however, whatever it is being discharged in not allowed into the sanitary sewer either since it turned our water an objectionable color – which is not allowed in our “Use of public sewers”.

I did contact Mark Smith at Specialty Ingredients, he seemed unaware and not too concerned about this but did say they would discontinue discharging to the sanitary sewer. After a bit of discussion, he mentioned someone was temporarily storing a product outside, I asked for an SDS sheet of the product, and he does not have one. After I asked why he didn’t want to talk anymore and said I sounded threatening for asking about the safety of the product. We can see dozens of empty totes outside and have no idea what they are doing, which is par for the course dealing with this company. A few weeks ago, there was a white sticky substance in the sewer line, again no idea what it was, we did test it in the lab but can’t figure out what the product is – may be a latex or paint.

I have some follow up questions:

1. Maureen, did you get any follow up from DNR last time? If so from who and what were they able to share?
2. Travis, I’m sure this topic will be a new one for you; I’m not sure where it got left off with Kraig, but do you have a list of products stored at this facility? We do not – they will not share that information with us. We have randomly sampled their wastewater over the years with frequent low-level hits of mercury; which may or may not be from whatever they are doing inside.

Earlier this summer we had a chemical supply representative stop by who shared with us that they are loading and unloading liquid bleach (amongst other liquids) inside the facility which is used for disinfection of water and wastewater – we thanked them for sharing that with us and told them we use gas chlorine.

If anyone else has some questions please let me know.

The facility contact is Mark Smith - 261-1398 or 261-4229, email mark.smith@transloadwi.com

Respectfully,
Peter A. Hartz

From: Maureen McBroom <MaureenM@CityofWatertown.org>

Sent: Friday, December 10, 2021 11:22 AM

To: Dan Schultz <DSchultz@CityofWatertown.org>; Pete Hartz <phartz@cityofwatertown.org>; Joe Lehner <JLehner@CityofWatertown.org>

Cc: Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>; Andrew Beyer <AndrewB@CityofWatertown.org>; Ritchie Piltz <RitchieP@CityofWatertown.org>

Subject: RE: Specialty Ingredients spill/locations at the drainage ditch/Rock River

Hi all-

Thanks, Dan, for compiling this and sending these photos over. I will add this to my spills file under the MS4 Permit – Illicit Discharge Detection and Elimination Program for this year.

I spoke to multiple folks at WDNR in the Storm Water and the Spills programs Wednesday and Thursday, and all have agreed that the City has done what was needed under the WPDES Municipal Separate Storm Sewer System (MS4) Permit by contacting WDNR. Since this facility is permitted under the NR 216 WPDES Industrial Storm Water Permit Program, and the discharge went directly from the facility's property/system to a water of the state, this is a WDNR issue. Any further follow-up will be completed by WDNR staff. However their communications with the owner did not result in the same source identification as our communications with the employees, so it's not clear at this time what their next steps will be.

Thank you, Ann, for the sampling results emailed over this morning; I will forward those to our WDNR spills contact as requested.

Clearly there is more going on at this business than transporting food-grade substances for production-related purposes within the facility on site. Let's continue to stay alert to this site, and the downstream waterways, to prevent an even worse issue in the future that could pose a threat to public health and safety or the environment. One good thing that came from this event was establishing a relationship with the owner, just in case something should occur on or near this site in the future.

Thanks to all involved – have a great weekend!
-McB

Maureen McBroom, ENV SP
Stormwater Project Manager
City of Watertown
920-206-4264
Maureenm@cityofwatertown.org

From: Dan Schultz <DSchultz@CityofWatertown.org>
Sent: Friday, December 10, 2021 10:50 AM
To: Pete Hartz <phartz@cityofwatertown.org>; Joe Lehner <JLehner@CityofWatertown.org>
Cc: Jaynellen Holloway <jaynellenh@CityofWatertown.org>; Maureen McBroom <MaureenM@CityofWatertown.org>; Nate Butterbrodt <NButterbrodt@CityofWatertown.org>; Ann French <AFrench@CityofWatertown.org>
Subject: Specialty Ingredients spill/locations at the drainage ditch/Rock River

Pete, the spill was first noticed on Wednesday Dec 8th at 11:25am while driving back to the plant from a jobsite. Management was contacted immediately, Joe showed up with "sample bottles" samples were from the open ditch W side of Fairview, N of "Bethesda's Pond" Nate & I then followed the spill up the creek verifying its presence until we found the spill location on the property of "Specialty Ingredients" a grab sample of the white unknown sample was taken. Employees from Specialty Ingredients approached us & let us know they had a spill/frozen pipe issue within a building on site, that flooded the building overnight.....

Joe was contacted & met us at the spill location, Joe then contacted Maureen as to the location of the spill, Maureen showed up whereas then Nate & I went on to explain what we had found & that employees had told us, along with that they were locating the MSDS sheets of the chemical spilled.

The 3 samples were taken to the lab from the creek, the solid paste like sample was also taken to the lab.

Attached is the location of the pictures that were taken along with the solid.

Dan Schultz
Collection System Crew Leader
Watertown Wastewater Treatment
PO Box 477
800 Hoffmann Drive
Watertown, WI 53094
920.262.4085 Plant
920.285.4086 Cell
dan.schultz@ci.watertown.wi.us

Special Analysis Report



Sample Date and Time: October 6th 2022 12:35pm

Sample Identification: Specialty Ingredients (white substance found in manhole)

Sample Location: Manhole 048-004

Indicate which tests to be completed below

Results

BOD

117 mg/L

TSS

400mg/L

Ammonia

3.30 mg/L

Phosphorus

25.85 mg/L

pH

6.6 su

Other Metals

sent out
10-26-22

Analysis Completed By: [Signature] Date: 10-18-22

ANALYTICAL REPORT

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
 400 North Lake Avenue - Crandon, WI 54520
 Ph: (715)-478-2777 Fax: (715)-478-3060

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034
 Printed: 11/11/22 Page 1 of 1

Client: Watertown Wastewater Treatment Plant
 Attn: Pete Hartz
 PO Box 477
 Watertown, WI 53094 0477

NLS Project: 395315
 NLS Customer: 87875
 Fax: 920 262 4087 Phone: 920 262 4085

Project: Specialty Ingredients

Specialty Ingredients (white sample) Grab NLS ID: 1346552

Matrix: WW

Collected: 10/06/22 12:35 Received: 10/31/22

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Arsenic, tot. recoverable as As by ICP-MS	[6.0]	ug/L	5	4.3	14	11/09/22	EPA 200.8, Rev 5.4	721026460
Cadmium, tot. recoverable as Cd by ICP	<0.95	ug/L	5	0.95	3.1	11/01/22	EPA 200.7, Rev 4.4	721026460
Chromium, tot. recoverable as Cr by ICP	<5.5	ug/L	5	5.5	19	11/01/22	EPA 200.7, Rev 4.4	721026460
Copper, tot. recoverable as Cu by ICP	<9.5	ug/L	5	9.5	33	11/01/22	EPA 200.7, Rev 4.4	721026460
Lead, tot. recoverable as Pb by ICP	[42]	ug/L	5	22	70	11/01/22	EPA 200.7, Rev 4.4	721026460
Mercury by CVAA	<2.2	ug/L	5	2.2	7.5	11/02/22	EPA 245.1, Rev 3	721026460
Nickel, tot. recoverable as Ni by ICP	28	ug/L	5	6.0	20	11/01/22	EPA 200.7, Rev 4.4	721026460
Silver, tot. recoverable as Ag by ICP	<4.1	ug/L	5	4.1	14	11/01/22	EPA 200.7, Rev 4.4	721026460
Zinc, tot. recoverable as Zn by ICP	[85]	ug/L	5	29	95	11/01/22	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov. ICP	yes					10/31/22	EPA 200.7	721026460
Metals digestion - tot. recov. ICP-MS	yes					11/04/22	EPA 200.8, Rev 5.4	721026460

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000 LOQ = Limit of Quantitation 1000 ug/L = 1 mg/L

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Chris Sobole
 for Tom Priebe

Authorized by:
 R. T. Krueger
 President

Special Analysis Report



Sample Date and Time: October 25 2022

Sample Identification : Specialty Ingredients - Blue Sample

Sample Location: Man hole 048-004

Indicate which tests to be completed below

Results

<input checked="" type="checkbox"/> BOD	473 mg/L
<input checked="" type="checkbox"/> TSS	1820.0 mg/L
<input checked="" type="checkbox"/> Ammonia	38.0 mg/L
<input checked="" type="checkbox"/> Phosphorus	3.06 mg/L
<input checked="" type="checkbox"/> pH	7.19 su
<input checked="" type="checkbox"/> Other <u>046</u>	
<input checked="" type="checkbox"/> <u>X2</u> metals	

Analysis Completed By: [Signature] Date: 11-14-22

ANALYTICAL REPORT

NORTHERN LAKE SERVICE, INC.
 Analytical Laboratory and Environmental Services
 400 North Lake Avenue - Crandon, WI 54520
 Ph: (715)-478-2777 Fax: (715)-478-3060

WDNR Laboratory ID No. 721026460
 WDATCP Laboratory Certification No. 105-330
 EPA Laboratory ID No. WI00034
 Printed: 11/10/22 Page 1 of 1

Client: Watertown Wastewater Treatment Plant
 Attn: Pete Hartz
 PO Box 477
 Watertown, WI 53094 0477

NLS Project: 395314
 NLS Customer: 87875
 Phone: 920 262 4087 Fax: 920 262 4085

Project: Specialty Ingredients

Specialty Ingredients (blue sample) NLS ID: 1346551

Matrix: WW

Collected: 10/25/22 10:00 Received: 10/31/22

Parameter

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Arsenic, tot. recoverable as As by ICP-MS	<43	ug/L	50	43	140	11/02/22	EPA 200.8, Rev 5.4	721026460
Cadmium, tot. recoverable as Cd by ICP	<9.5	ug/L	50	9.5	31	11/01/22	EPA 200.7, Rev 4.4	721026460
Chromium, tot. recoverable as Cr by ICP	<55	ug/L	50	55	190	11/01/22	EPA 200.7, Rev 4.4	721026460
Copper, tot. recoverable as Cu by ICP	<95	ug/L	50	95	330	11/01/22	EPA 200.7, Rev 4.4	721026460
Cyanide, tot. (distilled) as CN	[0.12]	mg/L	10	0.11	0.36	11/04/22	4500-CN-E-1999	721026460
Sample dilution performed due to sample matrix interference.								
Lead, tot. recoverable as Pb by ICP	<220	ug/L	50	220	700	11/01/22	EPA 200.7, Rev 4.4	721026460
Mercury by CVAA	<2.6	ug/L	6	2.6	9.0	11/02/22	EPA 245.1, Rev 3	721026460
Nickel, tot. recoverable as Ni by ICP	<60	ug/L	50	60	200	11/01/22	EPA 200.7, Rev 4.4	721026460
Oil and Grease, water (HEM)	52	mg/L	1	1.3	4.2	11/09/22	EPA 1664A, 1999	721026460
Silver, tot. recoverable as Ag by ICP	<41	ug/L	50	41	140	11/01/22	EPA 200.7, Rev 4.4	721026460
Zinc, tot. recoverable as Zn by ICP	[460]	ug/L	50	290	950	11/01/22	EPA 200.7, Rev 4.4	721026460
Metals digestion - tot. recov. ICP	yes					10/31/22	EPA 200.7	721026460
Metals digestion - tot. recov. ICP-MS	yes					10/31/22	EPA 200.8, Rev 5.4	721026460

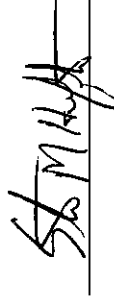
Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution and/or solids content.

ND = Not Detected (< LOD) LOD = Limit of Detection LOQ = Limit of Quantitation NA = Not Applicable

DWB = Dry Weight Basis %DWB = (mg/kg DWB) / 10000

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:



Authorized by:
 R. T. Krueger
 President