pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHCENTRAL REGIONAL OFFICE
CLEAN WATER PROGRAM

NPDES PERMIT FACT SHEET ADDENDUM

Application Type	**DEP-Initiated Major Amendment**	Application No.	**PA0260738 A-1**
Facility Type	**IW**	APS ID	**607561**
Major / Minor	**Minor**	Authorization ID	**1306112**

Applicant and Facility Information

Applicant Name	**Nitterhouse Concrete Products Inc.**	Facility Name	**Nitterhouse Concrete Precast Plant**
Applicant Address	PO Box 2013	Facility Address	PO Box 2013
	Chambersburg, PA 17201-0813		Chambersburg, PA 17201-0813
Applicant Contact	Dennis Schmaltz	Facility Contact	Dennis Schmaltz
Applicant Phone	(717) 267-4505	Facility Phone	(717) 267-4505
Client ID	41965	Site ID	454283
SIC Code	**3273/3272**	Municipality	Guilford Township
SIC Description	Ready-Mixed Concrete/ Concrete Products, Except Block and Brick	County	Franklin
Date Application Received	February 10, 2020	EPA Waived?	Yes
Date Application Accepted	February 10, 2020	If No, Reason	
Purpose of Application	DEP-Initiated Amendment		

Internal Review and Recommendations

Nitterhouse Concrete Products Inc. (Nitterhouse) has submitted a letter dated February 7, 2020, requesting the existing sampling requirements for Total Antimony, Total Copper, Total Selenium, Total Mercury, Total Thallium, Total Iron and Total Aluminum be removed based on the 6-month effluent data for Outfall 001. Part C.VI of the existing permit specifies the following: “The permit may be reopened on or after six (6) months from the date of first discharge from the treatment plant through outfall 001 to re-evaluate the metal limits, at DEP’s discretion.” Based on this, DEP has decided to revisit existing permit requirements for these pollutants. This is a DEP-initiated amendment without the amendment application as the permit contains the above-referenced reopener clause for this specific purpose.

Additionally, as requested by DEP, Nitterhouse collected ten (10) influent samples of these pollutants. The summarized results were provided to DEP on October 4, 2021.

Total Mercury, Total Thallium, & Total Selenium
A review of past DMR data since April 2019 shows Mercury, Thallium and Selenium have been consistently not detected in effluent. These pollutants were however detected in influent samples at levels above the water quality criteria. As a result, relaxation or removal of existing effluent limits for these pollutants is not warranted. However, because both influent and effluent sample results show fairly consistent/steady levels, it is recommended that the existing monitoring frequency be reduced from 1/week to 1/month for Mercury and Thallium. For Selenium, because influent levels fluctuated, it does not provide a good representation of a typical influent concentration. The monitoring frequency will still be reduced from 1/week to 2/month for Selenium as the data shows consistent levels in effluent.

Total Copper, Total Iron, & Total Aluminum

Approve	Return	Deny	Signatures	Date
X			*Jinsu Kim* Jinsu Kim / Environmental Engineering Specialist	October 7, 2021
X			*Maria D. Bebenek* for Daniel W. Martin, P.E. / Environmental Engineer Manager	October 7, 2021
X			*Maria D. Bebenek* Maria D. Bebenek, P.E. / Program Manager	October 7, 2021

Internal Review and Recommendations

A review of past DMR data since April 2019 shows Copper, Iron and Aluminum have been consistently detected in effluent. These pollutants were also detected in influent and both influent and effluent levels could potentially exceed the water quality criteria; therefore, the relaxation or removal of effluent limits is not warranted. However, because no significant fluctuation occurs in both influent and effluent levels, it is recommended that the existing monitoring frequency be reduced from 1/week to 2/month.

Total Antimony
A review of past DMR data since April 2019 shows Antimony has been consistently not detected in effluent. Additionally, Total Antimony was not detected in all influent samples. The removal of the existing monitoring requirement is warranted. It is therefore recommended that the current monitoring requirement for Total Antimony be removed from the permit.

Since removing the existing permit requirement constitutes a major modification, a draft permit will be prepared and will be published in the *Pennsylvania Bulletin* for 30 days for public comments. As part of this amendment, DEP will also include the latest standard conditions as well as eliminating any unnecessary (expired) conditions. These conditions are:

1. Part A.I.A Interim Monitoring Requirements
2. Part C.III. Schedule of Compliance
3. Part C.VI. Reopener Clause for data evaluation after 6 months from the date of first discharge.

All other requirements will remain the same as those specified in the current permit. As of the date of this fact sheet addendum, there is no open violation associated with this permittee or facility.

Appendix

1. Influent Data Summary

Kim, Jin Su

From:	Dennis Schmaltz <dschmaltz@nitterhouse.com>
Sent:	Monday, October 4, 2021 2:00 PM
To:	Kim, Jin Su; Jason Frey
Cc:	Jason Frey; Joe McDowell; Mark Taylor; Ed Luke
Subject:	Re: [External] Nitterhouse NPDES
Attachments:	Influent metals testing July - August 2021.xlsx

NITTERHOUSE CONCRETE PRODUCTS

Dennis L. Schmaltz
Special Projects Manager
dschmaltz@nitterhouse.com
Cell 717-977-7683
www.nitterhouseconcrete.com

On 10/4/2021 13:53, Kim, Jin Su wrote:

> I would ultimately need full reports but I agree, I think the spreadsheet that summarizes the results would be easier for everyone to look at when we discuss these results.
>
> Jinsu Kim | Permits Section
> Department of Environmental Protection | Clean Water Program
> Southcentral Regional Office
> 909 Elmerton Avenue | Harrisburg, Pa 17110-8200
> Phone: 717.705.4825 | Fax: 717.705.4760
> www.dep.state.pa.us
>
> **From:** Dennis Schmaltz <dschmaltz@nitterhouse.com>
> **Sent:** Monday, October 4, 2021 1:49 PM
> **To:** Kim, Jin Su <jikim@pa.gov>; Jason Frey <jfrey@martinandmartininc.com>
> **Cc:** Jason Frey <jtfrey@hotmail.com>; Joe McDowell <jmcdowell@martinandmartininc.com>; Mark Taylor <mtaylor@nitterhouse.com>; Ed Luke <eluke@nitterhouse.com>
> **Subject:** Re: [External] Nitterhouse NPDES
>
> I put everything in a spreadsheet if that is OK or I can scan and send the actual reports. Which do you prefer. I prefer to start with the spreadsheet for discussion at this point.
>
> NITTERHOUSE CONCRETE PRODUCTS
>
> **Dennis L. Schmaltz**
> Special Projects Manager
> dschmaltz@nitterhouse.com
> Cell 717-977-7683
> www.nitterhouseconcrete.com

Date	Al	Target QL	Sb	Target QL	Cu	Target QL	Fe	Target QL	Hg	Target QL	Se	Target QL	Tl	Target QL	Sample ID	Pd Amt
7/21/2021	209	10	<1.00	2.0	12.5	4.0	21.2	20	<2	0.2	9.93	7.0	1.25	2.0	FAI072121-017	
7/23/2021	197	10	<1.00	2.0	11	4.0	48.2	20	<.2	0.2	11.6	7.0	1.53	2.0	FAI072321-006	$168.00
7/28/2021	321	10	<1.00	2.0	15.2	4.0	184	20	<.2	0.2	13.9	7.0	2.55	2.0	FAI072821-037	$168.00
7/30/2021	504	10	<1.00	2.0	15.3	4.0	330	20	<.2	0.2	12.3	7.0	2.83	2.0	FAI073021-004	$168.00
8/4/2021	359	10	<1.00	2.0	14.3	4.0	156	20	<2	0.2	13.8	7.0	2.02	2.0	FAI080421-005	$168.00
8/6/2021	4110	10	<4.00	2.0	32.3	4.0	2330	20	<1	0.2	12.8	7.0	<2.00	2.0	FAI080621-018	$168.00
8/11/2021	242	10	<1.00	2.0	9.28	4.0	179	20	0.324	0.2	13.4	7.0	2.12	2.0	FAI081121-017	$168.00
8/13/2021	414	10	<1.00	2.0	8.6	4.0	92.4	20		0.2	9.71	7.0	1.19	2.0	FAI081321-015	
8/25/2021	525	10	<1.00	2.0	16.3	4.0	51.2	20	<.2	0.2	3.92	7.0	<.5	2.0	FAI1082521-017	$168.00
8/27/2021	426	10	<1	2.0	6.28	4.0	42.4	20	<.2	0.2	4.05	7.0	0.515	2.0	FAI1082721-015	$168.00

All data in micrograms/liter

2. Past DMR Data Summary (Average Monthly (lbs/day) – Daily Maximum (lbs/day) – Average Monthly (mg/L)- Daily Maximum (mg/L))

	Aluminum, Total				Antimony, Total				Copper, Total				Iron, Total			
04/01/2019	0.02	0.02	0.25	0.25	< 0.003	< 0.004	< 0.05	< 0.05	< 0.0007	< 0.0009	< 0.01	< 0.01	0.01	0.02	0.18	0.26
05/01/2019	< 0.02	0.02	< 0.53	< 0.8	< 0.002	< 0.003	< 0.05	< 0.05	< 0.0004	< 0.0006	< 0.013	0.018	< 0.008	0.01	< 0.15	< 0.2
06/01/2019	< 0.02	< 0.02	< 0.46	0.52	< 0.009	< 0.01	< 0.25	< 0.25	< 0.002	< 0.003	< 0.05	< 0.05	0.008	0.009	0.26	0.36
07/01/2019	0.02	0.03	0.4	0.63	< 0.01	< 0.02	< 0.25	< 0.25	< 0.002	< 0.004	< 0.05	< 0.05	< 0.007	0.009	< 0.2	0.31
08/01/2019	< 0.009	0.01	< 0.28	< 0.40	< 0.008	< 0.01	< 0.25	< 0.25	< 0.002	< 0.003	< 0.05	< 0.05	< 0.008	0.01	< 0.2	0.24
09/01/2019	< 0.005	< 0.007	< 0.30	< 0.50	< 0.005	< 0.008	< 0.25	< 0.25	< 0.001	< 0.002	< 0.05	< 0.05	0.002	0.004	0.1	0.12
10/01/2019	< 0.03	< 0.04	< 0.25	0.43	< 0.03	< 0.05	< 0.21	< 0.25	< 0.006	< 0.01	< 0.04	< 0.05	< 0.02	0.03	< 0.2	0.35
11/01/2019	0.1	0.2	0.73	1.04	< 0.03	< 0.06	< 0.25	< 0.25	< 0.007	< 0.01	< 0.05	< 0.05	0.06	0.1	0.5	0.7
12/01/2019	< 0.08	0.08	< 0.34	0.59	< 0.03	< 0.03	< 0.25	< 0.25	< 0.006	< 0.006	< 0.05	< 0.05	< 0.07	0.07	< 0.3	0.56
01/01/2020	< 0.02	0.03	< 0.51	0.84	< 0.009	< 0.02	< 0.189	< 0.25	< 0.002	< 0.003	< 0.039	< 0.05	< 0.02	0.03	< 0.5	1.5
02/01/2020	0.01	0.01	0.54	0.71	< 0.00008	< 0.00008	< 0.003	< 0.005	0.0005	0.0005	0.018	0.029	0.03	0.03	1.9	2.1
03/01/2020	0.06	0.09	1.37	2.48	< 0.0003	< 0.0004	< 0.005	< 0.005	0.0009	0.001	0.016	0.019	0.2	0.2	3.3	4
04/01/2020	0.04	0.08	0.84	1.5	< 0.0002	< 0.0003	< 0.004	< 0.005	0.001	0.001	0.025	0.035	0.1	0.2	2.5	3.5
05/01/2020	0.01	0.02	1.02	1.9	< 0.0002	< 0.0004	< 0.005	< 0.005	0.0008	0.001	0.019	0.021	0.1	0.2	2.2	2.3
06/01/2020	0.008	0.02	0.31	0.51	< 0.0001	< 0.0002	< 0.005	< 0.005	0.0004	0.0007	0.024	0.045	0.03	0.06	1.3	1.6
07/01/2020	0.1	0.1	2.26	6.2	< 0.0001	< 0.0001	< 0.004	< 0.005	0.0007	0.0007	0.022	0.032	0.2	0.2	4.2	8
08/01/2020	0.01	0.02	0.21	0.23	< 0.0003	< 0.0003	< 0.005	< 0.005	0.002	0.002	0.024	0.025	0.1	0.1	1.8	2
09/01/2020	0.01	0.03	0.26	0.42	< 0.0001	< 0.0003	< 0.004	< 0.005	0.0005	0.0008	0.013	0.015	0.09	0.2	2.2	2.5
10/01/2020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
11/01/2020	0.04	0.06	1.05	1.5	< 0.0001	< 0.0002	< 0.002	< 0.005	0.0007	0.001	0.017	0.023	0.08	0.1	2.2	2.6
12/01/2020	0.03	0.1	0.61	1.2	< 0.00004	< 0.00009	< 0.001	< 0.001	0.0007	0.001	0.017	0.022	0.08	0.2	1.4	2.6
02/01/2021	0.09	0.2	1.88	5.3	< 0.00008	< 0.0001	< 0.001	< 0.001	0.003	0.005	0.046	0.062	0.2	0.3	3.5	7.6
03/01/2021	0.02	0.02	0.71	1.2	< 0.00003	< 0.00005	< 0.001	< 0.001	0.001	0.001	0.036	0.044	0.07	0.08	2.5	3.3
04/01/2021	0.1	0.2	5.3	6.9	< 0.00002	< 0.00003	< 0.001	< 0.001	0.0008	0.001	0.042	0.044	0.3	0.4	13	16
05/01/2021	0.003	0.003	1.3	1.3	< 0.000003	< 0.000003	< 0.01	< 0.01	0.00004	0.00004	0.016	0.016	0.02	0.02	7.5	7.5
06/01/2021	0.02	0.02	1.14	1.3	< 0.00002	0.00002	< 0.001	< 0.001	0.0009	0.001	0.046	0.055	0.07	0.07	3.6	3.6
07/01/2021	0.05	0.1	1.03	1.8	< 0.00005	< 0.00006	< 0.001	< 0.001	0.002	0.004	0.036	0.061	0.1	0.2	2.3	3.1
08/01/2021	0.008	0.01	0.24	0.69	< 0.00005	< 0.00008	< 0.001	< 0.001	0.001	0.003	0.038	0.074	0.05	0.1	1.4	2.3

Mercury, Total				Selenium, Total				Thallium, Total			
< 0.00001	< 0.00002	< 0.0002	< 0.0002	< 0.0003	< 0.004	< 0.05	< 0.05	< 0.003	< 0.004	< 0.05	< 0.05
< 0.000009	< 0.00001	< 0.0002	< 0.0002	< 0.002	< 0.003	< 0.05	< 0.05	< 0.002	< 0.003	< 0.05	< 0.05
< 0.0002	< 0.00001	< 0.0002	< 0.0002	< 0.009	< 0.01	< 0.25	< 0.25	< 0.00007	< 0.0001	< 0.002	< 0.002
< 0.000009	< 0.00002	< 0.0002	< 0.0002	< 0.01	< 0.02	< 0.25	< 0.25	< 0.00004	0.00008	< 0.0009	0.001
< 0.000007	< 0.00001	< 0.0002	< 0.0002	< 0.008	< 0.01	< 0.25	< 0.25	0.00005	0.00005	0.002	0.003
< 0.000004	< 0.000007	< 0.0002	< 0.0002	< 0.005	< 0.008	< 0.25	< 0.25	0.00004	0.00007	0.002	0.003
< 0.00002	< 0.00004	< 0.0002	< 0.0002	< 0.03	< 0.05	< 0.21	< 0.25	< 0.0001	< 0.0002	< 0.0008	< 0.001
< 0.00003	< 0.00004	< 0.0002	< 0.0002	< 0.03	< 0.06	< 0.25	< 0.25	< 0.0001	0.0002	< 0.001	0.001
< 0.00003	< 0.00003	< 0.0002	< 0.0002	< 0.03	< 0.03	< 0.25	< 0.25	< 0.0001	< 0.0001	< 0.001	< 0.002
< 0.000008	< 0.00001	< 0.0002	< 0.0002	< 0.009	< 0.02	< 0.191	< 0.25	< 0.00004	< 0.00007	< 0.001	< 0.001
< 0.000003	< 0.000003	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.011	0.011	< 0.00002	< 0.00002	< 0.001	< 0.001
0.00002	0.00004	0.0004	0.0006	< 0.001	0.002	< 0.016	0.024	0.0002	< 0.0005	< 0.004	< 0.01
< 0.00001	0.00002	< 0.0002	0.0003	< 0.0006	0.0008	< 0.01	0.011	< 0.00005	< 0.00007	< 0.001	0.001
< 0.000009	< 0.00002	< 0.0002	< 0.0002	< 0.0005	< 0.0009	< 0.01	< 0.01	0.00005	0.00009	0.001	0.001
< 0.000004	< 0.000009	< 0.0002	< 0.0002	< 0.0002	< 0.0004	< 0.01	0.01	< 0.00002	< 0.00004	< 0.001	0.002
< 0.000009	0.000009	< 0.0003	0.0004	< 0.0002	< 0.0002	< 0.01	0.01	< 0.00002	0.00002	< 0.001	0.002
< 0.00001	< 0.00001	< 0.0002	< 0.0002	< 0.0007	< 0.0007	< 0.01	< 0.01	< 0.00007	< 0.00007	< 0.001	< 0.001
< 0.00001	0.00002	< 0.0002	0.0003	< 0.0004	< 0.0006	< 0.01	< 0.01	< 0.00004	0.00006	< 0.001	0.001
FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
< 0.000008	< 0.000009	< 0.0002	< 0.0002	< 0.0004	< 0.0005	< 0.01	< 0.01	< 0.00005	0.00009	< 0.001	0.002
< 0.00001	0.00003	< 0.0002	0.0003	< 0.0004	< 0.0009	< 0.01	< 0.01	< 0.00004	0.00009	< 0.001	0.002
< 0.00002	< 0.00003	< 0.0002	< 0.0002	< 0.0009	0.002	< 0.01	0.011	< 0.00008	< 0.0001	< 0.001	< 0.001
< 0.000007	< 0.00001	< 0.0002	< 0.0002	< 0.0004	0.0006	< 0.012	0.013	< 0.00003	< 0.00005	< 0.001	0.001
< 0.000004	< 0.000005	< 0.0002	< 0.0002	< 0.0002	< 0.0003	< 0.01	< 0.01	< 0.00002	< 0.00003	< 0.001	< 0.001
< 0.0000005	< 0.0000005	< 0.0002	< 0.0002	< 0.00003	< 0.00003	< 0.01	< 0.01	< 0.000003	< 0.000003	< 0.001	< 0.001
< 0.000004	< 0.000004	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.01	< 0.01	< 0.00002	< 0.00002	< 0.001	< 0.001
< 0.00001	0.00001	< 0.0002	0.0002	< 0.0005	0.0007	< 0.011	0.012	< 0.00005	0.00006	< 0.001	0.001
< 0.00001	0.00002	< 0.0002	0.0003	< 0.0005	0.001	< 0.011	0.013	< 0.00005	0.00008	< 0.001	0.002