

201 Waubesa Street Madison, WI 53704-5728

November 4, 2015

Alan Hopfensperger
Hydrogeologist
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Rd.
Fitchburg, WI 53711

Subject: Discharge Monitoring Report - Groundwater Extraction and Treatment System, Madison Kipp Corporation, 201 Waubesa Street, Madison, Wisconsin

Dear Mr. Hopfensperger,

The Groundwater Extraction and Treatment System (GETS) ran for the month of October, with the exception of maintenance activities. This letter summarizes the activities completed in October 2015 as part of the GETS at the Madison Kipp Corporation (MKC) site under the Wisconsin Pollution Discharge Elimination System (WPDES) Permit WI-0046566-6. Compliance samples were collected on October 5, 2015 per the WPDES permit, including visual monitoring for sodium permanganate neutralization. The compliance sample results were below the WPDES discharge limits. The Discharge Monitoring Report is included as Attachment A.

Due to a malfunction of one of the transfer pumps, the GETS operated at 40 gpm from October 2 through October 13, 2015. On October 13, the GETS was shut down so the pump could be repaired. The repaired pump was installed on October 19 and the system returned to pumping at 45 gpm. The system ran intermittently between October 19 and October 31 due to issues with the hydrogen peroxide pump causing the system to shut down preemptively. We continue to search for a solution for this issue.

If you have any questions or need additional information, please contact myself at asatkoski@madison-kipp.com or (608) 242-5200.

Alina Satkoski

alina Lattesti

Madison Kipp Corporation

Attachment A Discharge Monitoring Report Form

Copies:

Jennine Trask - Arcadis (electronic)

Mike Schmoller - WDNR (electronic)

George Parrino - Madison Department of Health (electronic)

DISCHARGE MONITORING REPORT FORM Year:___2015_

Contaminated Groundwater from Remedial Action Operations - Surface Water Discharge

Rev. December 16, 2013 Permit No. WI-0046566-6

Facility Name and Location

Madison Kipp Corporation 201 Waubesa St

Madison, WI 53704

Consultant Managing Project: Arcadis

FIN#:

Outfall # and Description		Flow (gal/day)	Oil & Grease (mg/L)	BOD₅ (mg/L)	Total BETX (μg/L)	PAHs group of 10 (μg/L)	Benzo(a) pyrene (μg/L)	Naphthalene (μg/L)	Potassium Permanganate (mg/L)	Benzene (μg/L)	TSS (mg/L)
Effluent	Month: October	57,600	2.6	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	0	Not Detected	Not Detected
	Month:										
	Month:										
	Month:										
See Footnotes					(1)	(2)					
Effluent Limits (refer to sec. 4 of the permit)			10 mg/l	20 mg/L	750 μg/L	0.1 μg/l	0.1 μg/l	70 μg/l	(3)	50 μg/l	40 mg/L
Sample Frequency: Pre-treatment		Daily	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Sample Frequency: Post-treatment		Daily	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Type		Estimate	Grab	Grab	Grab	Grab	Oi dio	0.00	3 . 3.2		
Sample Type Impaired or TMDL	surface waters	Estimate				to an impaired surfa					
		Estimate VOCs (μg/L)	Does this fac								
Impaired or TMDL		VOCs	Does this fac Yes Vinyl Chloride	trans-1,2- Dichloroethene	ollutant of concern 1,1- Dichloroethene	to an impaired surfa	Chloride	cis-1,2-Dichloroethene	rith a TMDL alloca		
Impaired or TMDL Outfall # and	Description Month:	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L)	to an impaired surfa Tetrachloroethene (μg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	rith a TMDL alloca Trichloroethene (μg/L)		
Impaired or TMDL Outfall # and	Month: October	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L)	to an impaired surfa Tetrachloroethene (μg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	rith a TMDL alloca Trichloroethene (μg/L)		
Impaired or TMDL Outfall # and	Month: October Month:	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L)	to an impaired surfa Tetrachloroethene (μg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	rith a TMDL alloca Trichloroethene (μg/L)		
Impaired or TMDL Outfall # and	Month: October Month: Month:	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L)	to an impaired surfa Tetrachloroethene (μg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	rith a TMDL alloca Trichloroethene (μg/L)		
Outfall # and	Month: October Month: Month: Month: Month:	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L)	to an impaired surfa Tetrachloroethene (μg/L)	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	rith a TMDL alloca Trichloroethene (μg/L)		
Outfall # and Effluent See Footnotes Effluent Limits (ref	Month: October Month: Month: Month: Month:	VOCs (μg/L)	Does this fac Yes Vinyl Chloride (µg/L) Not Detected	trans-1,2- Dichloroethene (μg/L)	1,1- Dichloroethene (μg/L) Not Detected	to an impaired surfa Tetrachloroethene (μg/L) 23	Chloride (mg/L)	cis-1,2-Dichloroethene (μg/L)	Trichloroethene (μg/L)		
Impaired or TMDL Outfall # and Effluent See Footnotes Effluent Limits (ref permit)	Month: October Month: Month: Month: Month:	VOCs (μg/L)	Does this face Yes Vinyl Chloride (µg/L) Not Detected 10 ug/L	trans-1,2- Dichloroethene (µg/L) Not Detected	1,1- Dichloroethene (μg/L) Not Detected	Tetrachloroethene (μg/L) 23 50 μg/L	Chloride (mg/L) 140	cis-1,2-Dichloroethene (µg/L)	Trichloroethene (μg/L) 2.9 50 μg/L		

FOOTNOTES:

- Total BETX is the sum of the benzene, ethylbenzene, toluene and xylene concentrations.
- (2) PAH group of 10 (Polynuclear Aromatic Hydrocarbons) include the sum of the following individual compounds: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene
- (3) Madison Kipp/Arcadis will conduct visual monitoring for this compound.

DIRECTIONS:

- For "Outfall # and Description" enter the number of the outfall you are reporting (001 or 002, etc.)
- Monitoring for a given parameter depends on if the discharge is to surface water or groundwater.
- The value entered must be the highest value of all samples analyzed for that day.
- Print additional DMRs as necessary for monthly reporting.

RETURN REPORT BY: February 15, of the year following completion of monitoring

RETURN TO: ATTN: Nicholas Bertolas

Department of Natural Resources
3911 Fish Hatchery Rd.

Fitchburg, WI 53711

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Wherever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Signature of Person Completing Form

Our and at Rockie

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Signature of Principal Exec. or Authorized Agent