

November 5, 2020

Mr. Trevor Moen
SER Wastewater Program
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128

RE: *Discharge Monitoring Report for October 2020*
WPDES Permit Number WI-0046566-07-0
BRRTS #: 02-41-576336 & 02-41-579429
FID #: 241828620
FIN #: 63340
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Moen:

Wisconsin Department of Natural Resources (WDNR) granted coverage under WPDES Permit Number WI-0046566-07-0 in a letter dated January 2, 2019, for full-scale chemical injection remedial activities at the above-referenced facility. In the January 2019 letter, WDNR approved continued coverage for the proposed chemical injection of RemOx® (Potassium permanganate). Following the January 2019 approval, 35 injection wells were installed and the gravity feed infiltration “system” was constructed and prepared.

After construction, a small volume test injection was performed on February 4, 2019, to evaluate for leakage, verify suitable infiltration, etc. No additional injection activities were performed during the month or in March-April 2019. Full-scale injection activities were initiated in May 2019. Injection activities were performed between May and December 2019. A modified method of RemOx® introduction to the impacted soils, specifically in-situ chemical mixing, was initiated in November 2020 and continued through January 2020. All RemOx® initially obtained for the project had been applied through the final actions of January 17, 2020. Remedial progress was discussed with WDNR Remediation and Redevelopment Program in a meeting held on January 21, 2020. Following the meeting, no additional chemical treatment activities have been performed. All injection wells have been abandoned as of August 2020.

In order to meet the requirements of Section 2 of the WPDES Permit Number WI-0046566-07-0, DAI Environmental, Inc., (DAI) is submitting this Discharge Monitoring Report (DMR) on behalf of Carol Investment Corporation, owner and Responsible Party for the Sunrise Shopping Center site located in South Milwaukee, Wisconsin. The completed DMR form indicating “no

discharge” for the month of October 2020 is included in Attachment A. The form is signed by Mr. Christopher Cailles of DAI as “Person Completing Form” and as “Authorized Agent” to the “Principal Exec. Officer” of Carol Investment Corporation.

Although additional chemical treatment is not planned, termination of coverage under WPDES Permit Number WI-0046566-07-0 has not yet been requested. Termination of coverage using Form 3400-221 will not be requested until WDNR approves closure of the site without further remediation required. Therefore, DMRs will continue to be submitted as required, even for months in which no chemical injections activities are performed, until such time as termination of coverage is requested. As noted in the March submission, DMRs with “no discharge” are only being submitted quarterly.

If you have any questions or require additional information in regards to this submission, please contact me at 847-573-8900 extension 580. Thank you for your time.

Sincerely,
DAI Environmental, Inc.

A handwritten signature in blue ink that reads "Christopher Cailles".

Christopher Cailles, P.E.
Project Engineer

Attachment

cc: Riley Neuman – WDNR RR Program (w/enclosure electronically)

ATTACHMENT A
DISCHARGE MONITORING REPORT

DISCHARGE MONITORING REPORT FORM - Contaminated Groundwater

PERMITTEE NAME: Sunrise Shopping Center
FIN: 63340
BRRTS #'s: 02-41-576336 & 02-41-579429
SITE ADDRESS: 2410-2424 10th Ave & 1009 Marquette Ave., South Milwaukee, WI

WPDES PERMIT NO. WI-0046566-07

YEAR: 2020

DMR-In-situ Contaminants Revised 7/2018

Outfall Number	001		
Sample Point Description	8 Injection Borings		
Parameter Name	RemOx® (potassium permanganate)		
Parameter Units	Gallons		
Sample Date Below (mm/dd/year)			
October 2020	0 (no injection, no soil mixing)		
Sample Type	Total		
Frequency of Sampling	Daily		

Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day.
Authorized per WISCONSIN STATUTE 283.55

PLEASE ATTACH NOTES AND/OR ADDRESS-NAME CORRECTIONS ON A SEPARATE SHEET
RETURN REPORT NO LATER THAN: The 15th of the following month after injection, for the remainder of the remediation project.

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.

SEND TO: ATTN: Chris Dietrich
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212-3128

Signature of Person Completing Form	Date
<i>Christopher Cutler</i>	11/5/2020
Signature of Principal Exec. Officer or Authorized Agent Title	Date
<i>Christopher Cutler</i> <i>as authorized agent</i> <i>to Carol Investment Corporation</i>	Project Engineer 11/5/2020

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: CAROL INVESTMENT CORPORATION
 Contact Address: 27834 N Irma Lee Circle
 Lake Forest, IL 60045
 Facility Contact: Cristopher Cailles, Project Engineer
 Phone Number: 847-573-8900
 Reporting Period: 10/01/2020 - 10/31/2020
 Form Due Date: 11/21/2020
 Permit Number: 0046566

Date Received:
 DOC: 457772
 FIN: 63340
 FID: 241828620
 Region: Southeast Region
 Permit Drafter: Drafter not set
 Reviewer: Christopher A Dietrich
 Office: Milwaukee

Sample Point	002	002	002	002	002	
Description	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	
Parameter	211	377	40	54	393	
Description	Flow Rate	pH Field	Benzene	BETX, Total	PAHs	
Units	gpd	su	ug/L	ug/L	ug/L	
Sample Type	ESTIMATED	GRAB	GRAB	GRAB	GRAB	
Frequency	DAILY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	
Sample Results	Day 1	250.68				
	2	250.68				
	3	250.68				
	4	250.68				
	5	250.68				
	6	250.68				
	7	250.68				
	8	250.68				
	9	250.68				
	10	250.68				
	11	250.68				
	12	229.60	6.72	<0.25	<1.57	0.012
	13	229.60				
	14	229.60				
	15	229.60				
	16	229.60				
	17	229.60				
	18	229.60				
	19	229.60				
	20	229.60				
	21	229.60				
	22	229.60				
	23	229.60				
	24	229.60				
	25	229.60				
	26	229.60				
	27	229.60				
	28	229.60				
	29	229.60				
	30	229.60				
	31	229.60				

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge	
	Parameter	211		377		40		54		393	
	Description	Flow Rate		pH Field		Benzene		BETX, Total		PAHs	
	Units	gpd		su		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	237.08		6.72		0		0		0.012	
	Daily Max	250.68		6.72		<0.25		<1.57		0.012	
	Daily Min	229.6		6.72		<0.25		<1.57		0.012	
Limit(s) in Effect	Monthly Avg					50	0	750	0	0.10	0
	Daily Max			9	0						
	Daily Min			6	0						
QA/QC Information	LOD					0.25					
	LOQ					1					
	QC Exceedance	N		N		N		N		N	
	Lab Certification					405132750		405132750		405132750	

	Sample Point	002	002	002	002	002
	Description	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge
	Parameter	44	307	80	93	118
	Description	Benzo(a)pyrene	Naphthalene	Bromoform	Carbon tetrachloride	Chloroform
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	GRAB	GRAB	GRAB	GRAB	GRAB
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12	<0.0094	<0.016	<4.0	<1.1	<1.3
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
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	29					
	30					
	31					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge	
	Parameter	44		307		80		93		118	
	Description	Benzo(a)pyrene		Naphthalene		Bromoform		Carbon tetrachloride		Chloroform	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.0094		<0.016		<4		<1.1		<1.3	
	Daily Min	<0.0094		<0.016		<4		<1.1		<1.3	
Limit(s) in Effect	Monthly Avg	0.10	0	70	0	120	0	150	0	120	0
	Daily Max										
	Daily Min										
QA/QC Information	LOD	0.0094		0.016		4		1.1		1.3	
	LOQ	0.047		0.082		13		3.6		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	002	002	002	002	002
	Description	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge
	Parameter	174	570	558	82	120
	Description	Dichlorobromo- methane (bromo- dichloromethane)	1,2-Dichloro- ethane	1,1-Dichloro- ethylene	Methyl bromide	Chloromethane
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	GRAB	GRAB	GRAB	GRAB	GRAB
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12	<0.36	<0.28	<0.24	<0.97	<2.2
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
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	30					
	31					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge	
	Parameter	174		570		558		82		120	
	Description	Dichlorobromo- methane (bromo- dichloromethane)		1,2-Dichloro- ethane		1,1-Dichloro- ethylene		Methyl bromide		Chloromethane	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.36		<0.28		<0.24		<0.97		<2.2	
	Daily Min	<0.36		<0.28		<0.24		<0.97		<2.2	
Limit(s) in Effect	Monthly Avg	120	0	180	0	50	0	120	0	120	0
	Daily Max										
	Daily Min										
QA/QC Information	LOD	0.36		0.28		0.24		0.97		2.2	
	LOQ	1.2		1		1		5		7.3	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	002	002	002	002	002
	Description	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge	Prior to Storm Sewer Discharge
	Parameter	565	490	563	561	508
	Description	1,1,2,2-Tetrachloro-ethane	Tetrachloroethylene	1,1,2-Trichloro- ethane	1,1,1-Trichloro- ethane	Trichloro- ethylene
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	GRAB	GRAB	GRAB	GRAB	GRAB
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12	<0.28	<0.33	<0.55	<0.24	<0.26
	13					
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	31					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge	
	Parameter	565		490		563		561		508	
	Description	1,1,2,2-Tetrachloro-ethane		Tetrachloroethylene		1,1,2-Trichloro- ethane		1,1,1-Trichloro- ethane		Trichloro- ethylene	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.28		<0.33		<0.55		<0.24		<0.26	
	Daily Min	<0.28		<0.33		<0.55		<0.24		<0.26	
Limit(s) in Effect	Monthly Avg	50	0	50	0	50	0	50	0	50	0
	Daily Max										
	Daily Min										
QA/QC Information	LOD	0.28		0.33		0.55		0.24		0.26	
	LOQ	1		1.1		5		1		1	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750		405132750		405132750		405132750		405132750	

	Sample Point	002
	Description	Prior to Storm Sewer Discharge
	Parameter	517
	Description	Vinyl chloride
	Units	ug/L
	Sample Type	GRAB
	Frequency	MONTHLY
Sample Results	Day 1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	<0.17
	13	
	14	
	15	
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	30	
	31	

	Sample Point	002	
	Description	Prior to Storm Sewer Discharge	
	Parameter	517	
	Description	Vinyl chloride	
	Units	ug/L	
Summary Values	Monthly Avg	0	
	Daily Max	<0.17	
	Daily Min	<0.17	
Limit(s) in Effect	Monthly Avg	10	0
	Daily Max		
	Daily Min		
QA/QC Information	LOD	0.17	
	LOQ	1	
	QC Exceedance	N	
	Lab Certification	405132750	

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Cristopher Cailles(ccailles) on 11/19/2020 5:52:08 PM