

Environmental Engineers, Geologists and Scientists

Tel 847.573.8900 Fax 847.573.8953 Polo Park Business Center 27834 N. Irma Lee Circle Lake Forest, Illinois 60045-5130

March 8, 2022

Mr. Trevor Moen SER Wastewater Program Wisconsin Department of Natural Resources 1027 West St. Paul Avenue Milwaukee, WI 53233

RE: Discharge Monitoring Report for February 2022

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 February 2022 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 2020 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) 996-3580. Thank you for your time.

Sincerely,

DAI Environmental, Inc.

Christopher Cailles, P.E.

Christopher Carlles

Project Engineer

Attachment

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

ATTACHMENT A DISCHARGE MONITORING REPORT

DISCHARGE MONITORING REPORT FORM - Contaminated Groundwater

PERMITTEE NAME: Sunrise Shopping Center FIN: 63340

SITE ADDRESS: 2410-2424 10th Ave & 1009 Marquette BRRTS #'s: 02-41-576336 & 02-41-579429 Ave., South Milwaukee, WI

WPDES PERMIT NO. WI-0046566-07

Revised 7/2018 DMR-In-situ Contaminants

2022 YEAR:

Outfall Number	001	
Sample Point Description	8 Injection Borings	
Parameter Name	RemOx® (potassium permanganate)	
Parameter Units	Gallons	
Sample Date Below (mm/dd/year)		
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		
repruary 2022	o (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

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 12.5), I ALSO CERTIFY THAT THE VALLIES BEING SUBMITTED ARE THE ACTUAL VALLUES FOUND IN THE SAMPLES; NO VALLUES A VALUE 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.

RETURN REPORT NO LATER THAN: The 15th of the following month after injection, for the remainder of the remediation project. PLEASE ATTACH NOTES AND/OR ADDRESS-NAME CORRECTIONS ON A SEPARATE SHEET 2300 N. Dr. Martin Luther King Jr. Drive Milwaukee, WI 53212-3128 **ATTN: Chris Dietrich** SEND TO:

Signature of Person Completing Form

Bushoun

authorized agen Signature of Principal Exec. Officer or Authorized Agent

Date

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Wastewater Discharge Monitoring Long Report

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: 02/01/2022 - 02/28/2022

Form Due Date: 03/21/2022 Permit Number: 0046566

For DNR Use Only

Date Received:

DOC: 487839 FIN: 63340

FID: 241828620

Region: Southeast Region
Permit Drafter: Drafter not set
Reviewer: Maya R Welch

Office: Milwaukee

	Sample Point	002	002	002	002	002
	Description	Prior to Storm Sewer				
		Discharge	Discharge	Discharge	Discharge	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
	oumple Type		OI VID	OI VID	OI VIE	
	Frequency	DAILY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	1.11	6.94	<0.3	<1.97	<0.21
	2	1.11				
	3	1.11				
	4	1.11				
	5	1.11				
	6	1.11				
	7	1.11				
	8	1.11				
	9	1.11				
	10	1.11				
	11	1.11				
	12	1.11				
	13	1.11				
	14	1.11				
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	31					

	Sample Point	002	002	002	002	002
	Description	Prior to Storm Sewer				
		Discharge	Discharge	Discharge	Discharge	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	1.11	6.94	0	0	0
	Daily Max	1.11	6.94	<0.3	<1.97	<0.21
	Daily Min	1.11	6.94	<0.3	<1.97	<0.21
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			0.3		1
	LOQ			1		
	QC Exceedance	N	N	N	N	N
	Lab Certification			405132750	405132750	405132750

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	Sample Point	002	002	002	002	002 Prior to Storm Sewer
	Description	Prior to Storm Sewer Discharge	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	<0.018	<0.018	<3.8	<0.37	<1.2
	2					
	3 4					
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	31					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Se	ewer	Prior to Storm Sewer		Prior to Storm Sewer		Prior to Storm Se	ewer	Prior to Storm Sewer	
		Discharge		Discharge		Discharge		Discharge		Discharge	
	Parameter	44		307		80		93		118	
	Description	Benzo(a)pyrer	ne	Naphthalene		Bromoform		Carbon tetrachlo	ride	Chloroform	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.018		<0.018		<3.8		<0.37		<1.2	
	Daily Min	<0.018		<0.018		<3.8		<0.37		<1.2	
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	0.018		0.018		3.8		0.37		1.2	
	LOQ	0.045		0.045		5		1		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750)	405132750)	405132750)	405132750)	405132750)

	Sample Point Description Parameter Description Units Sample Type Frequency Day 1 2 3 4 5	002 Prior to Storm Sewer Discharge 174 Dichlorobromomethane (bromodichloromethane) ug/L GRAB MONTHLY <0.42	002 Prior to Storm Sewer Discharge 570 1,2-Dichloro- ethane ug/L GRAB MONTHLY <0.29	002 Prior to Storm Sewer Discharge 558 1,1-Dichloro- ethylene ug/L GRAB MONTHLY	002 Prior to Storm Sewer Discharge 82 Methyl bromide ug/L GRAB	002 Prior to Storm Sewer Discharge 120 Chloromethane ug/L GRAB
-	Parameter Description Units Sample Type Frequency Day 1 2 3 4 5	Discharge 174 Dichlorobromomethane (bromodichloromethane) ug/L GRAB MONTHLY	570 1,2-Dichloro- ethane ug/L GRAB MONTHLY	558 1,1-Dichloro- ethylene ug/L GRAB	Discharge 82 Methyl bromide ug/L	Discharge 120 Chloromethane ug/L
;	Units Sample Type Frequency Day 1 2 3 4 5	Dichlorobromo- methane (bromo- dichloromethane) ug/L GRAB MONTHLY	1,2-Dichloro- ethane ug/L GRAB MONTHLY	1,1-Dichloro- ethylene ug/L GRAB	Methyl bromide	Chloromethane ug/L
;	Units Sample Type Frequency Day 1 2 3 4 5	methane (bromodichloromethane) ug/L GRAB MONTHLY	ug/L GRAB MONTHLY	ug/L GRAB	ug/L	ug/L
_	Frequency Day 1 2 3 4 5	GRAB MONTHLY	GRAB MONTHLY	GRAB		
_	Frequency Day 1 2 3 4 5	MONTHLY	MONTHLY		GRAB	GRAB
Sample Results	Day 1 2 3 4 5			MONTHLY		
Sample Results	2 3 4 5	<0.42	<0.29		MONTHLY	MONTHLY
	3 4 5			<0.58	<1.2	<1.6
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	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Se Discharge	ewer	Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge		Prior to Storm Sewer Discharge	
		Discharge		Discharge		Discharge		Discharge		Discharge	
	Parameter	174	174		570 558		82		120		
	Description	Dichlorobromo)-	1,2-Dichloro- eth	ane	1,1-Dichloro- ethy	/lene	Methyl bromid	е	Chloromethan	16
	2000	methane (brom dichloromethar	10-	.,		,,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.42		<0.29		<0.58		<1.2		<1.6	
	Daily Min	<0.42		<0.29		<0.58		<1.2		<1.6	
Limit(s) in Effect	Monthly Avg	120	0	180	0	50	0	120	0	120	0
	Daily Max										
	Daily Min										П
QA/QC Information	LOD	0.42	•	0.29		0.58		1.2		1.6	
	LOQ	1		1		1		5		5	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750)	405132750)	405132750)	405132750)	405132750)

		200		1 000	000	000
	Sample Point	002	002	002	002	002 Prior to Storm Sewer
	Description	Prior to Storm Sewer Discharge	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	<0.38	<0.41	<0.34	<0.3	<0.32
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	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Se Discharge	ewer	Prior to Storm Se Discharge	ewer	Prior to Storm S Discharge	ewer	Prior to Storm Se Discharge	ewer	Prior to Storm Se Discharge	ewer
	Parameter	565	565		490		563		561		
	Description	1,1,2,2-Tetrachlo ethane	oro-	Tetrachloroethyl	ene	1,1,2-Trichloro- e	thane	1,1,1-Trichloro- et	hane	Trichloro- ethyle	ene
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0		0		0		0		0	
	Daily Max	<0.38		<0.41		<0.34		<0.3		<0.32	
	Daily Min	<0.38		<0.41		<0.34		<0.3		<0.32	
Limit(s) in Effect	Monthly Avg	50	0	50	0	50	0	50	0	50	0
	Daily Max										
	Daily Min										
QA/QC Information	LOD	0.38	•	0.41	ļ	0.34	1	0.3	•	0.32	1
	LOQ	1		1		1		1		1	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	405132750)	405132750)	40513275	0	405132750)	405132750	0

	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	<0.17
	2	
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	Sample Point	002				
	Description	Prior to Storm Sev	wer			
		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				

potnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)
eneral Remarks
aboratory Quality Control Comments

DOC: 487839

Submitted by Cristopher Cailles(ccailles) on 3/8/2022 12:47:06 PM