From: Chris Cailles

To: Neumann, Riley D - DNR

Subject: Monthly DMR (injection) and eDMR (Ace sump system), Sunrise Shopping Center, South Milwaukee

Date: Tuesday, February 8, 2022 9:16:43 AM

Attachments: Jan 2022 DMR and letter.pdf

Jan 2022 eDMR.PDF

CAUTION: This email originated from outside the organization.

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Riley,

Please find attached the January 2022 DMR submission for the chemical treatment activities at the Sunrise Shopping Center located in South Milwaukee, Wisconsin and covered under WPDES Permit WI-0046566-07. Note that no treatment activities were performed during the month; no additional injection is planned.

In addition to the chemical injection DMR, please find attached a copy of the eDMR associated with the sump water treatment system at the Ace Hardware store located at the site. The attached eDMR documents results for the January 2022 monthly sampling.

If you have any questions, please do not hesitate to contact me. Sincerely,
Christopher Cailles
DAI Environmental, Inc.
(847) 996-3580



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

February 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 January 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 January 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

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: 2022

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)		
January 2022	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

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 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.

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.

SEND TO: ATTN: Chris Dietrich

2300 N. Dr. Martin Luther King Jr. Drive

Milwaukee, WI 53212-3128

Signature of Person Completing Form

Date

Signature of Principal Exec. Officer or Authorized Agent Title
as a thorized agent
be Carol Englished

Mustephen Calles ac Corporation

Project Engineer 48/22

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: 01/01/2022 - 01/31/2022

Form Due Date: 02/21/2022 Permit Number: 0046566

For DNR Use Only

Date Received:

DOC: 487838 FIN: 63340

FID: 241828620

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

	0	I 000	000	1 000	I 000	000
	Sample Point	002	002	002	002	002
	Description	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	8.58				
	2	8.58				
	3	8.58				
	4	8.58				
	5	8.58				
	6	8.58				
	7	8.58				
	8	8.58				
	9	8.58				
	10	8.58				
	11	8.58				
	12	8.58				
	13	8.58				
	14	8.58				
	15	8.58				
	16	8.58				
	17	8.58				
	18	2.5	6.75	<0.3	<1.97	<0.021
	19	2.5				
	20	2.5				
	21	2.5				
	22	2.5				
	23	2.5				
	24	2.5				
	25	2.5				
	26	2.5				
	27	2.5				
	28	2.5				
	29	2.5				

30 31 2.5

2.5

Permit: 0046566

	Sample Point	002	002		002		002		002	
	Description	Prior to Storm Sewer	Prior to Storm Sew	er	Prior to Storm Se	wer	Prior to Storm Se	wer	Prior to Storm Se	wer
		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	5.834193548	6.75		0		0		0	
	Daily Max	8.58	6.75		<0.3		<1.97		<0.021	
	Daily Min	2.5	6.75		<0.3		<1.97		<0.021	
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	!				
	LOQ				1					
	QC Exceedance	N	N		N		N		N	
	Lab Certification				405132750)	405132750)	405132750)

	0I- D-1-4	000	000	1 000	000	1 000
	Sample Point	002	002	002	002	002
	Description	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					
	3					
	4					
	5					
	7					
	8					
	9					
	10					
	11					
	12 13					
	14					
	15					
	16					
	17					
	18	<0.018	<0.018	<3.8	<0.37	<1.2
	19 20					
	21					
	22					
	23					
	24 25					
	26					
	27					
	28					
	29					
	30 31					
	"					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Se	ewer	Prior to Storm Sewer							
		Discharge		Discharge		Discharge		Discharge		Discharge	
	Parameter	44	44			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)

		200		1 000	200	1 000
	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					
	<u>4</u> 5					
	6					
	7					
	8					
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	10					
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	12					
	13					
	14					
	15					
	16					
	17	20.40	.0.00	.0.50	:4.0	.4.0
	18 19	<0.42	<0.29	<0.58	<1.2	<1.6
	20					
	21					
	22					
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	24					
	25					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	002		002		002		002		002	
	Description	Prior to Storm Se Discharge	ewer	Prior to Storm Se Discharge			ewer	Prior to Storm Se Discharge	ewer	Prior to Storm Se Discharge	∍wer
	Parameter	174	174		570		558			120	
	Description	Dichlorobromo methane (brom dichloromethan	10-	1,2-Dichloro- eth	ane	1,1-Dichloro- ethy	ylene	Methyl bromid	е	Chloromethan	ie
	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										
QA/QC Information	LOD	0.42		0.29	1	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)

	0I- D-1-4	000	000	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					
	2					
	3					
	4					
	5					
	6					
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	17					
	18	<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	wer	Prior to Storm Se Discharge	ewer	Prior to Storm Se	ewer	Prior to Storm Se	ewer	Prior to Storm Sewer		
		Discharge	Discharge			Discharge		Discharge		Discharge	Discharge	
				490								
	Parameter	565	565			563		561		508		
	Description	1,1,2,2-Tetrachlo	oro-	Tetrachloroethyl	ene	1,1,2-Trichloro- et	thane	1,1,1-Trichloro- et	hane	Trichloro- ethyle	ene	
		etriarie										
	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		0.34		0.3		0.32		
	LOQ	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	
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	6	
	7	
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	18	<0.17
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	31	

	Sample Point	002	
	Description	Prior to Storm Se	wer
	-	Discharge	
	Parameter	517	
	Description	Vinyl chloride	
	Description	Viriyi chilonde	
	Units	ug/L	
Summary	Monthly	0	
Values	Avg		
	Daily Max	<0.17	
	,		
	Daily Min	<0.17	
Limit(s) in	Monthly	10	0
Effect	Avg	. •	
	Daily Max		
	Daily Wax		
	Daily Min		
	Cany min		
QA/QC	LOD	0.17	<u> </u>
Information			
	LOQ	1	
		•	
	QC	N	
	Exceedance		
	Lab	405132750)
	Certification		

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)
Tooling to your lasting the completing the formation of formation of the completing the completi
General Remarks
Laboratory Quality Control Comments

Submitted by Cristopher Cailles(ccailles) on 2/8/2022 9:11:55 AM