# Stantec

#### **Stantec Consulting Services Inc.**

12080 Corporate Parkway, Suite 200 Meguon WI 53092-2661

April 5, 2024

Project/File: 193709902

Attention: Mr. Adam Tegen

**Executive Director** 

Community Development Authority of the City of Manitowoc, Wisconsin

900 Quay Street

Manitowoc, Wisconsin 54220

**Reference: Well Sealing Documentation** 

River Point District, Phase III Redevelopment Area N 10<sup>th</sup> Street and N 11<sup>th</sup> Street, Manitowoc, Wisconsin

BRRTS # 02-36-585491

Dear Mr. Tegen,

For your records, eight groundwater monitoring wells at the River Point Phase III Redevelopment Area were sealed on March 27, 2024. The locations of the sealed monitoring wells are illustrated on Figure 1. Well sealing forms (WDNR Form 3300-005) are provided in Attachment A.

We look forward to working with you as this project continues.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Harris Byers, Ph.D.

Sr. Brownfields Project Manager

(414) 581-6476

Harris.byers@stantec.com

**Enclosures**:

Figure 1 – Sealed Groundwater Monitoring Wells

Attachment A – Well sealing forms (WDNR Form 3300-005)

April 5, 2024 Community Development Authority of the City of Manitowoc, Wisconsin 900 Quay Street Page 2 of 2

Reference: Well Sealing Documentation; Brillion Works, LLC Multi-Family Residential Development;

Park Avenue & North Parkway Drive, Brillion, Wisconsin

BRRTS # 02-08-590613

#### Limitations:

The conclusions in this letter are Stantec's professional opinion, as of the time of the letter, and concerning the scope described in the letter. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. This letter relates solely to the specific project for which Stantec was retained and the stated purpose for which the letter was prepared. This letter is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the City and the CDA and third parties in the preparation of this letter to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This letter is intended solely for use by the City and the CDA in accordance with Stantec's contract with the City. While this letter may be provided to applicable authorities having jurisdiction and others for whom the City and the CDA is responsible, Stantec does not warrant the services to any third party. This letter may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.



## **FIGURE**

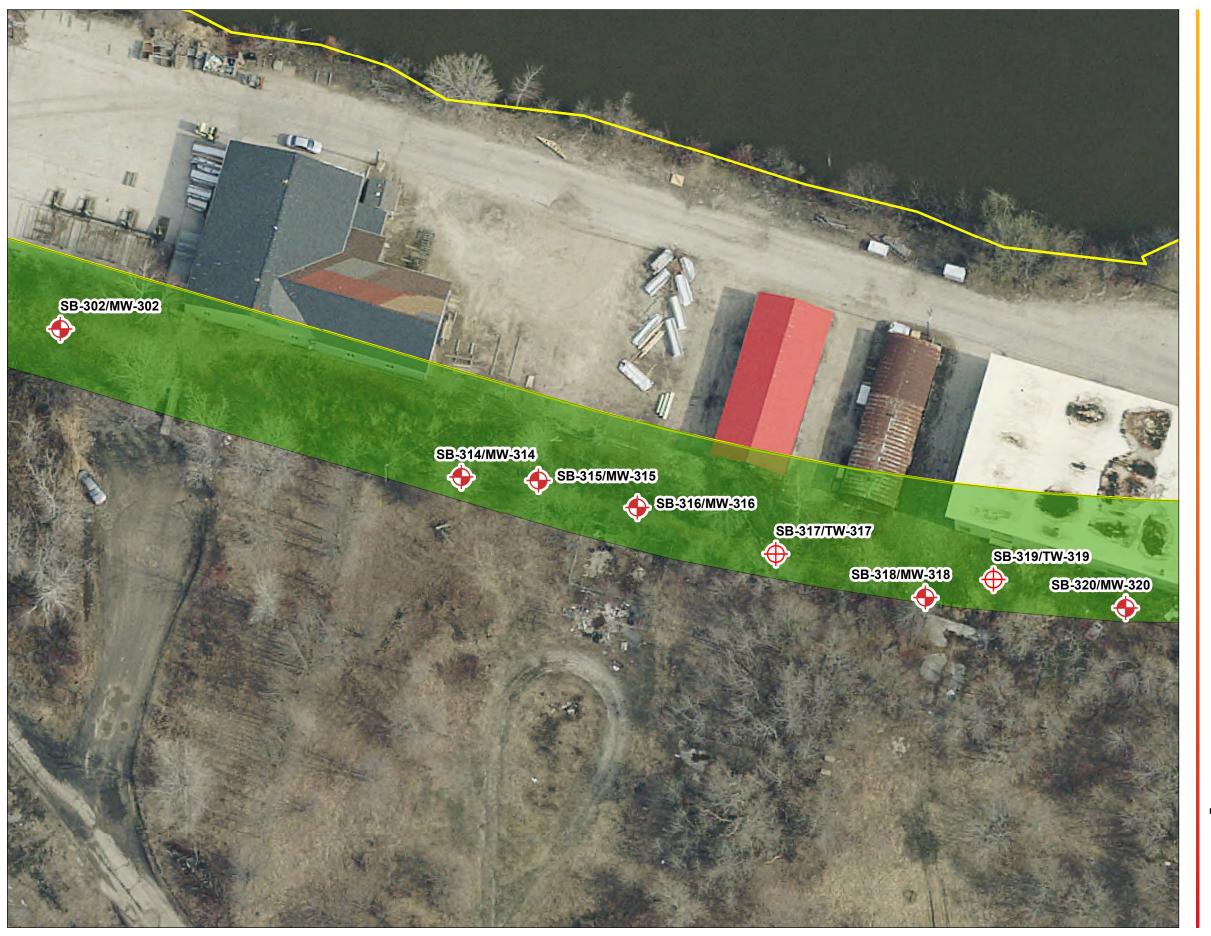


Figure No.

#### **Abandoned Permanent and Temporary** Monitoring Wells (3/27/2024)

Client/Project Phase III Redevelopment Area River Point District

City of Manitowoc

193707885 Prepared by HLB on 12/10/2020

⊐ Feet

#### Legend





Monitoring Well (Abandoned 3/27/2024)



Temporary Monitoring Well (Abandoned 3/27/2024)



Proposed Chicago Street Alignment



Phase III Redevelopment Area

- 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803
- 2. Orthophotograph: Manitowoc County, 2020





#### **ATTACHMENT A**

Well sealing forms (WDNR Form 3300-005)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

IX Verification Only of Fil	and Seal		Orinking Water	☐ Watershed/Wastewater ☐ Remediation/Redevelopr							
		□ v	Vaste Managem	nent	Other _						
1. Well Location Information				2. Facility	2. Facility / Owner Information						
County WI Unique Removed		Hicap #		Facility Name	at Diatriat						
Manitowoc	V V CII			River Point District Facility ID (FID or PWS)							
Lattitude / Longitude (Degrees and Mi	nutes)	Method Code	e (see instruction	Facility ID (FIL ns)	or PWS)	\					
° ' "'N				License/Permi	it/Monitoring	1#					
° ' " 'W				Electrice, Ferri	License/Permit/Monitoring #						
1/4 / 1/4 NE 1/4 NE	Section	Township	Range X E	: Original Well (	Owner						
or Gov't Lot #	30	19N	24 🖺 v	City of Ma	anitowoc						
Well Street Address				Present Well Owner							
N 10th St and N 11th St				City of Manitowoc							
Well City, Village or Town		Well ZIF	P Code	Mailing Address of Present Owner							
Manitowoc	220	900 Quay Street  City of Present Owner State ZIP Code									
Subdivision Name		Lot #		Manitowo				VI 54220			
River Point District	_			4. Pump, Li	4. Pump, Liner, Screen, Casing & Sealing Material						
Reason For Removal From Service	WI Unique W	ell # of Repla	cement Well	Pump and			☐ Ye				
Monitoring Well Abandonment				Liner(s) rer		vou.	Ye	= =			
3. Well / Drillhole / Borehole In		nstruction Dat	ta .	Screen rem			Ye	s No N/A			
Monitoring Well	11/13/2			Casing left	in place?		Ye	s No N/A			
Water Well				Was casing cut off below surface? Yes No N/							
Drillhole / Borehole	Report is h.	Did sealing material rise to surface?  Yes No N/A									
Construction Tymes	11.	Did materia			∐ Ye						
Construction Type:  Drilled Driv	Dug		as hole reto	•	Ye	s No N/A					
	en (Sandpoint)	L	_ Dug			used, were they hyd n safe source	drated	s No X N/A			
Other (Specify)						ng Sealing Material		<u> </u>			
Formation Type:		,			tor Pipe-Gra		Conductor	Pipe-Pumped			
Unconsolidated Formation		Bedrock		Screene	ed & Poured	. [	Other (Expl	ain)			
Total Well Depth From Ground Surfac	e (ft) Casing	Diameter (in	.)	(Benton	ite Chips)						
12	2.00			Sealing Mater	ials		_				
Lower Drillhole Diameter (in.)	Casing	Depth (ft.)		Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)							
	13			Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry " "							
Was well annular space grouted?	Yes	No [	Unknown	Concrete Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:							
If yes, to what depth (feet)?	Depth to Wa		J OHKHOWH	For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout							
ii yoo, to wat dopar (loot).	4.83	ator (root)			r Bentonite		entonite - Sand				
5. Matarial Hand to Fill Mall / D	!!!!a.a.l.a					No. Yards, Sa					
5. Material Used to Fill Well / D	rillilole			From (ft.)	To (ft.)	or Volume	(circle one)	or Mud Weight			
					5	0.25					
Bentonite chips				Surface	-	0.20		Sacks			
6. Comments											
MW-302											
7. Supervision of Work					D =	(44/) D-t- D-	DNR Us				
Name of Person or Firm Doing Filling & Stantec Consulting Services, Inc.		License	:#	03/27/2024	oea⊪ng (mm	n/dd/yyyy) Date Rec	erveu	Noted By			
Stantec Consulting Services, Inc. Street or Route	•			Telephone Numb	er	Commen	ts				
12080 Corporate Parkway				(262) 241-44							
City		State	ZIP Code	Signature of P		g Work ///		Date Signed			
Mequon		WI	53092			1/00.	Mind	04/01/2024			

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

✓ Varification O	nly of Fill o	nd Cool	Route t	o:			_						
	niy oi Fili a	ind Seai	I —	rinking V			Watershed/Wastewater Remediation/Redevelopment						
4 Mail I			ΙШν	Vaste Ma	nagem		Other _	- f 4!					
1. Well Location Info	WI Unique W	/ell # of	Hicap #			2. Facility Facility Name	Owner ir	itormation					
·	Removed Well						nt District	t					
Manitowoc						Facility ID (FID or PWS)							
Lattitude / Longitude (Deg	•	es) M	lethod Code	(see inst	tructior		,	\					
	' N					License/Perm	it/Monitoring	g #					
	'W			1-									
1/4 / 1/4 NE   1/4	NE		Township	Range	X E		Original Well Owner						
or Gov't Lot#		30	19N	24	_ v	·							
Well Street Address				•	Present Well City of Ma								
N 10th St and N 1	1th St					Mailing Addre		nt Owner					
Well City, Village or Town	ı		Well ZIP			900 Quay		ii Omioi					
Manitowoc			542	20		City of Preser			State				
Subdivision Name River Point District	ŧ		Lot #			Manitowo	C		W	<sub>T</sub> 54220			
Reason For Removal Fro		VI Unique Wel	l # of Replac	rament \M	الماا	4. Pump, L	iner, Scre	en, Casing & Sealir	ng Material				
Monitoring Well Ab		VI OTIIQUE VVEI	1 # Of Tropiac	ornent vi	VCII	Pump and	piping remo	ved?	Yes				
3. Well / Drillhole / B		mation				Liner(s) rer	noved?		Yes				
Monitoring Well		Original Cons	truction Dat	е		Screen ren	noved?		Yes				
_		11/13/20	23			Casing left	•		Yes				
Water Well		If a Well Co	onstruction F	Renort is			vvas dasing car on below surface:						
Drillhole / Boreho	ole		lease attach				material ris al settle aftei		Yes				
Construction Type:							as hole reto		Yes				
Drilled	Driven	(Sandpoint)		Dug				used, were they hydrat	ted				
Other (Specify)								n safe source	Yes	s No X N/A			
						Required Met	nod of Placii	ng Sealing Material					
Formation Type:  Unconsolidated Form	aatian		Bedrock				tor Pipe-Gra	· —		Pipe-Pumped			
							ed & Poured	ı 🗀	Other (Expla	ain)			
Total Well Depth From Gi	round Surface (1	ft) Casing D	Diameter (in.	)		,	ite Chips)						
						Sealing Mater			□ olo-				
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)				Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)  Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "						
		13				Concrete Bentonite Chips							
Was well annular space g	grouted?	☐ Yes 🏻	No 🗌	Unknov	wn	For Monitoring Wells and Monitoring Well Boreholes Only:							
If yes, to what depth (feet	t)?	Depth to Wat	er (feet)			Bentonite - Cement Grout							
		3.45				☐ Granula	r Bentonite	Bento	onite - Sand S	Slurry			
5. Material Used to F	Fill Well / Drill	lhole				From (ft.)	To (ft.)	No. Yards, Sack or Volume (cir		Mix Ratio or Mud Weight			
							_	0.45					
Bentonite chips						Surface	5	0.15		Sacks			
6. Comments							<u>'</u>						
MW-314													
7. Supervision of Wo	ork								DNR Us	e Only			
Name of Person or Firm D		ealing	License	#	TI.	Date of Filling &	Sealing (mm	n/dd/yyyy) Date Receiv		Noted By			
Stantec Consulting S		-				03/27/2024							
Street or Route			•		1.	Telephone Numb	er	Comments					
12080 Corporate Par	kway					(262) 241-44							
City			State	ZIP Cod		Signature of F	Person Doing	11/1 5	<i>I.</i> /	Date Signed 04/01/2024			
Mequon			WI	5309	)2			1. C. C.	lines	U-1/U 1/2U24			

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	ily of Fill a	and Seal		Drinking Water		☐ Watershe	ed/Wastewater	⊠ Remed	liation/Redevelopment		
				Waste Managen	nent	Other _					
1. Well Location Infor					2. Facility		nformation				
County	WI Unique W		Hicap #		Facility Name River Poir						
Manitowoc	Tromovod TV	OII			Facility ID (FID or PWS)						
Lattitude / Longitude (Degr	ees and Minu	tes)	Method Cod	le (see instruction		J 01 PWS)	\				
0 1 11 1	N				License/Perm	it/Monitoring	1#				
0 1 " "						·	•				
1/4 / NE   1/4 N	IE	Section	Township	Range X E	Original Well						
or Gov't Lot #		30	19N		V City of Ma						
Well Street Address			1		Present Well Owner City of Manitowoc						
N 10th St and N 11	th St				Mailing Addre		ot Ourpor				
Well City, Village or Town			Well Z	P Code	900 Quay		it Owner				
Manitowoc			54	220	City of Preser			State	e ZIP Code		
Subdivision Name			Lot #		Manitowo			W	<sub>T</sub> 54220		
River Point District		*****	"" ( 5		4. Pump, L	iner, Scre	en, Casing & S	ealing Material	<u>.</u>		
Reason For Removal From		/VI Unique W	ell # of Repla	acement Well	Pump and	piping remo	ved?	Yes	s No No N/A		
Monitoring Well Aba  3. Well / Drillhole / Bo		rmation			Liner(s) rer	moved?		Yes			
			nstruction Da	ate	Screen ren	noved?		∐ Ye:			
	11/13/2023					in place?		Yes			
Water Well	Report is	Was casing cut off below surface?									
Drillhole / Borehol	ch.	"			Yes						
Construction Type:			al settle after as hole reto		☐ Yes						
Drilled	Driven	(Sandpoint)	[	Dug	1		used, were they h	vdrated			
Other (Specify)						•	n safe source	Yes	s No No N/A		
					Required Met	hod of Placii	ng Sealing Materia				
Formation Type:  Unconsolidated Formation  Bedrock					tor Pipe-Gra	•		Pipe-Pumped			
					_	ed & Poured	l	U Other (Expla	ain)		
Total Well Depth From Gro	ound Surface (	(ft) Casing 2.00	Diameter (ii	า.)	Sealing Mater	ite Chips) ials					
Lower Drillhole Diameter (i	n.)	Casing	Depth (ft.)		☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)						
		13			Sand-Cement (Concrete) Grout  Concrete  Bentonite-Sand Slurry " "  Bentonite Chips						
Was well annular space gr	outed?	Yes	No [	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:						
If yes, to what depth (feet)		Depth to Wa			Bentonite Chips Bentonite - Cement Grout						
		2.51			Granula	r Bentonite	E	Bentonite - Sand S	Slurry		
5. Material Used to Fi	II Well / Dril	lhole			From (ft.)	To (ft.)		Sacks Sealant	Mix Ratio		
					110()	10 ()	or volume	(circle one)	or Mud Weight		
Bentonite chips					Surface	5	0.25		Sacks		
Bentomic Chips					Surface				Sacks		
6. Comments											
MW-315											
7. Supervision of Work								DNR Us	•		
Name of Person or Firm Do		Sealing	Licens	e#	_	Sealing (mm	n/dd/yyyy) Date Re	eceived	Noted By		
Stantec Consulting Se	rvices, Inc.				03/27/2024	or	Commo	unte			
12080 Corporate Park	WOW.				Telephone Numb (262) 241-44		Comme	ei itə			
City	way		State	ZIP Code	Signature of F		g Work		 Date Signed		
Mequon			WI	53092			· ///	- Thund	04/01/2024		

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\\\_\\\_\\\_\\\\\\\\\\\\\\\\\\\\\\\\\\			Route t	o:								
✓ Verification O	nly of Fill a	ına Seai		rinking Wa	ater	Watershed/Wastewater Remediation/Redevelopment						
			υ	/aste Man	ageme		Other					
1. Well Location Info	WI Unique W	/oll # of	Hicap #			2. Facility /	Owner In	itormation				
•	Removed Well						nt District					
Manitowoc						Facility ID (FID or PWS)						
Lattitude / Longitude (Deg	•	es) M	lethod Code	(see instr	uction							
	' N					License/Permi	t/Monitoring	<b>j</b> #				
	'W	0	T Is-is-	lD			_					
	NE		Township	Range 2	ΣE	Original Well (						
or Gov't Lot #		30	19N	24	w	,						
Well Street Address N 10th St and N 1	1th St						Present Well Owner City of Manitowoc					
			T			Mailing Addres		nt Owner				
Well City, Village or Town Manitowoc	1		Well ZIP 542			900 Quay						
Subdivision Name			Lot #			City of Presen Manitowo			State	E /	Code 1220	
River Point District						4. Pump, Li	ner, Scre	en, Casing & Seali				
Reason For Removal Fro		VI Unique Wel	I # of Replac	ement We	ell	Pump and piping removed? Yes No N/A						
Monitoring Well Ab  3. Well / Drillhole / B						Liner(s) rer			Ye	s No	⊠ N/A	
	orenole inioi	Original Cons	truction Dat	e		Screen rem	oved?		X Ye	s No	N/A	
Monitoring Well		11/30/20		_		Casing left	in place?		Ye	s 🔀 No	N/A	
Water Well		15 14/ 11.0	onstruction F			Was casing	Was casing cut off below surface?					
Drillhole / Boreho			e to surface?	∑ Ye	=	∐ N/A						
Construction Type:						Did materia			∐ Ye □ Ye	=	N/A   N/A	
Drilled	Driven	(Sandpoint)	Г	Dug			as hole reto	oped? used, were they hydra		3 🔲 110		
Other (Specify)			_					n safe source	Ye	s No	N/A	
						Required Meth	od of Placir	ng Sealing Material				
Formation Type:							tor Pipe-Gra	avity	Conductor I	Pipe-Pumpe	d	
Unconsolidated Form	nation		Bedrock				d & Poured		Other (Expl	ain)		
Total Well Depth From G	round Surface (i	ft) Casing D	Diameter (in.	)		(Benton Sealing Mater	ite Chips) als					
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)				ment Grout				1 lb./gal. wt.)	
						Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry " "						
Was well annular space g	routed?	Yes 🛛	No 🗌	Unknow	n	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐						
If yes, to what depth (feet		Depth to Wat		Ornarowi		Bentonite Chips  Bentonite - Cement Grout						
	,	3.40	,				r Bentonite		onite - Sand			
5. Material Used to F	Fill Well / Dril	Ihole				From (ft.)	To (ft.)	No. Yards, Sac or Volume (ci			Ratio d Weight	
						1		or volume (cr	icie orie)	Of Wild	a weight	
Bentonite chips						Surface	12	0.5		S	acks	
6. Comments												
MW-316												
7. Supervision of We	ork								DNR Us	se Only		
Name of Person or Firm D		ealing	License	#	[	Date of Filling & S	Sealing (mm	n/dd/yyyy) Date Receiv		Noted By		
Stantec Consulting S		-				03/27/2024	٠,	/		,		
Street or Route			•		Т	Telephone Numb	er	Comments				
12080 Corporate Par	kway			_		(262) 241-44						
City			State	ZIP Code		Signature of P	erson Doino	//// 5	1. /	Date Signed 04/01/20		
Mequon			WI	53092	2			<u> </u>	Umil	U-7/U 1/20	, <u>~</u>	

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✓ Varification O	nly of Fill o	nd Cool	Route t	o:		_						
□ Verification O	THY OF THE	iliu Seal	I —	rinking W		Ļ	Watershed/Wastewater Remediation/Redevelopment					
4 Mall Location Info			шм	Vaste Ma	nagem		Other _	-fa				
1. Well Location Info	WI Unique W	/ell # of	Hicap #			2. Facility /	Owner in	irormation				
·	Removed Well						nt District					
Manitowoc						Facility ID (FID or PWS)						
Lattitude / Longitude (Dec	•	tes) M	ethod Code	(see inst	truction		,	\				
	' N					License/Permi	it/Monitoring	<b>j</b> #				
	'W			1_								
1/4 / 1/4 NE 1/4 I	NE		Township	Range	X E	Original Well					_	
or Gov't Lot #		30	19N	24	□ v	• ———						
Well Street Address						Present Well Owner City of Manitowoc						
N 10th St and N 1	1th St					Mailing Addres		nt Owner				
Well City, Village or Town	1		Well ZIP			900 Quay						
Manitowoc			542	20		City of Presen			State			
Subdivision Name River Point District	t		Lot #			Manitowo	C		W	/I 54	220	
Reason For Removal Fro		VI Unique Wel	# of Replac	rement W	/ell	4. Pump, Li	ner, Scre	en, Casing & Sealiı	ng Material	<u> </u>		
Monitoring Well Ab			. // or . topiac			Pump and	piping remo	ved?	∐ Yes	=	M/A N/A	
3. Well / Drillhole / B		rmation				Liner(s) rer			∐ Yes		N/A	
Monitoring Well		Original Cons	truction Dat	е		Screen rem			Yes		N/A N/A	
Water Well		11/13/20	23			Casing left	•				N/A N/A	
		If a Well Co	onstruction F	Report is		Was casing cut off below surface?						
Drillhole / Boreho	ole		lease attach				materiai ris al settle aftei		☐ Yes	=	⊠ N/A	
Construction Type:							as hole reto		Yes	=	□ N/A	
Drilled	Driven	(Sandpoint)		Dug		1 .		used, were they hydra	ted	_	_	
Other (Specify)						with water f	rom a know	n safe source	Yes	s No	X N/A	
Formation Type:						Required Meth	nod of Placii	ng Sealing Material				
Unconsolidated Form	nation		Bedrock				tor Pipe-Gra	· —		Pipe-Pumped	I	
						_	ed & Poured		Other (Expla	ain)		
Total Well Depth From Gi	round Surface (1	(t) Casing L	iameter (in.	)		`	ite Chips)					
						Sealing Mater	ıaıs ement Grout	•	Clay Sa	and Clura, (11	l lb /aol sut \	
Lower Drillhole Diameter	(in.)	Casing D	epth (ft.)			Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)  Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "						
		13				Concrete Bentonite Chips						
Was well annular space g	grouted?	☐ Yes 🏻	No 🗌	Unknov	vn	For Monitoring Wells and Monitoring Well Boreholes Only:						
If yes, to what depth (feet	t)?	Depth to Wat	er (feet)			Bentonite Chips Bentonite - Cement Grout						
		1.87				Granula	r Bentonite	Bento	onite - Sand S	Slurry		
5. Material Used to F	Fill Well / Dril	lhole				From (ft.)	To (ft.)	No. Yards, Sacl or Volume (ci			Ratio I Weight	
							5	0.15				
Bentonite chips						Surface	3	0.15		Sa	icks	
6. Comments												
MW-317												
7. Supervision of Wo	ork								DNR Us	e Only		
Name of Person or Firm D		ealing	License	#	1	Date of Filling &	Sealing (mm	n/dd/yyyy) Date Receiv		Noted By		
Stantec Consulting S	Services, Inc.					03/27/2024						
Street or Route						Telephone Numb		Comments				
12080 Corporate Par	kway		1-	1		(262) 241-44						
City			State	ZIP Cod		Signature of P	erson Doing	//// 5	1. /	Date Signed 04/01/20		
Mequon			WI	5309	12			0.0.0	Unix	5 ., 5 ., 20	<u> </u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

IX Verification Only of Fil	l and Seal		rinking Water	☐ Watershed/Wastewater ☐ Remediation/Redevelop						
		□ v	Vaste Managem	nent	Other _					
1. Well Location Information				2. Facility /	2. Facility / Owner Information					
County WI Unique	e Well # of	Hicap #		Facility Name	at Diatriat					
Manitowoc	VVCII			River Point District Facility ID (FID or PWS)						
Lattitude / Longitude (Degrees and M	nutes)	Method Code	(see instruction	Facility ID (FIL ns)	or PWS)	\				
° ' " ' N				License/Permi	it/Monitoring	1#				
° ' " 'W				Liconico, i cimi	i i i i i i i i i i i i i i i i i i i	, "				
1/4 / 1/4 NE 1/4 NE	Section	Township	Range X E	: Original Well (	Owner					
or Gov't Lot #	30	19N	24 🛱 v	City of Ma	anitowoc					
Well Street Address				Present Well Owner						
N 10th St and N 11th St				City of Manitowoc						
Well City, Village or Town		Well ZIP	Code	Mailing Address of Present Owner 900 Quay Street						
Manitowoc	20	City of Present Owner State ZIP Code								
Subdivision Name		Lot #		Manitowo				VI 54220		
River Point District				4. Pump, Li	ner, Scre	en, Casing & Sea				
Reason For Removal From Service	WI Unique W	ell # of Replac	cement Well	Pump and			☐ Ye			
Monitoring Well Abandonment				Liner(s) ren		vou.	Ye	= =		
3. Well / Drillhole / Borehole In		nstruction Dat	·A	Screen rem			Ye	s No N/A		
Monitoring Well	11/13/2			Casing left	in place?		Ye	s No N/A		
Water Well				Was casing cut off below surface?						
Drillhole / Borehole	Report is า.	Did sealing	Did sealing material rise to surface?  Yes No N/A							
Construction Times	•	Did materia			∐ Ye					
Construction Type:  Drilled Driv	Dug		as hole reto	•	Ye	s No N/A				
	en (Sandpoint)	L	_ Dug			used, were they hyd n safe source	drated	s No X N/A		
Other (Specify)				ng Sealing Material		<u> </u>				
Formation Type:					tor Pipe-Gra		Conductor	Pipe-Pumped		
Unconsolidated Formation		Bedrock		Screene	ed & Poured	. [	Other (Expl	ain)		
Total Well Depth From Ground Surface	e (ft) Casing	Diameter (in.	)	(Benton	ite Chips)					
12	2.00			Sealing Materi	ials		_			
Lower Drillhole Diameter (in.)	Casing	Depth (ft.)		Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)						
	13			Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry " "						
Was well annular space grouted?	Yes	No $\square$	Unknown	Concrete Bentonite Chips  For Monitoring Wells and Monitoring Well Boreholes Only:						
If yes, to what depth (feet)?	Depth to Wa		OTIKTOWIT	For Monitoring Wells and Monitoring Well Boreholes Only:  Bentonite Chips  Bentonite - Cement Grout						
ii yoo, to what dopin (loot).	3.56	ator (root)			r Bentonite		entonite - Sand			
F. Matarial Hand to Fill Wall / F	willia a la					No. Yards, Sa				
5. Material Used to Fill Well / D	riiinoie			From (ft.)	To (ft.)	or Volume	(circle one)	or Mud Weight		
				~ .	5	0.1				
Bentonite chips				Surface		0.1		Sacks		
6. Comments										
MW-318										
7. Supervision of Work							DNR Us			
Name of Person or Firm Doing Filling		License	#	Date of Filling & 9 03/27/2024	sealing (mn	n/dd/yyyy) Date Red	eivea	Noted By		
Stantec Consulting Services, Inc	; <u>.</u>			Telephone Numb	er	Commen	ts			
12080 Corporate Parkway				(262) 241-44		Commen				
City		State	ZIP Code	Signature of P		g Work ///	///	Date Signed		
Mequon		WI	53092		`	1/1/-,	Mind	04/01/2024		

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	ly of Fill a	and Seal		Drinking Water		☐ Watershe	ed/Wastewater	Remed	liation/Redevelopment		
				Waste Managen	nent	Other _					
1. Well Location Infor					2. Facility		nformation				
County	WI Unique W Removed W		Hicap #		Facility Name River Poir		+				
Manitowoc	Tromovou TV	OII			Facility ID (FID or PWS)						
Lattitude / Longitude (Degr	ees and Minu	tes)	Method Cod	de (see instructio		J 01 PWS)	\				
0 1 " 1	N				License/Perm	it/Monitoring					
0 1 "1						·	,				
14/14 NE   14 N	E	Section	Township	Range X	Original Well						
or Gov't Lot #		30	19N		V City of Ma						
Well Street Address			1		Present Well 0						
N 10th St and N 11th	th St										
Well City, Village or Town			Well Z	IP Code	Mailing Addre 900 Quay		it Owner				
Manitowoc			54	1220	City of Preser			State	e ZIP Code		
Subdivision Name			Lot #		Manitowo			W	5/220		
River Point District	0	*****	"" (D )		4. Pump, L	iner, Scre	en, Casing & Se	ealing Material	<u>.</u>		
Reason For Removal From		/VI Unique W	ell # of Repl	acement Well	Pump and	piping remo	ved?	Yes	s No No N/A		
Monitoring Well Abar  3. Well / Drillhole / Bo		rmation			Liner(s) rer	moved?		Yes	s No No N/A		
	1011010 11110	Original Cor	nstruction Da	ate	Screen ren	noved?		Yes			
	11/13/2023					in place?		Yes			
Water Well  If a Well Construction Report is					Was casing cut off below surface?						
Drillhole / Borehole	ch.	"			Yes						
Construction Type:			al settle after as hole reto		☐ Yes						
Drilled	Driven	(Sandpoint)		Dug	1		used, were they h	vdrated			
Other (Specify)						•	n safe source	Yes	s No No N/A		
					Required Met	hod of Placii	ng Sealing Materia				
Formation Type:  Unconsolidated Formation  Bedrock					tor Pipe-Gra	•		Pipe-Pumped			
					_	ed & Poured	I	U Other (Expla	ain)		
Total Well Depth From Gro	und Surface (	(ft) Casing 1.00	Diameter (ii	n.)	Sealing Mater	ite Chips) ials					
Lower Drillhole Diameter (in	า.)	Casing	Depth (ft.)		Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)						
		13			Sand-Cement (Concrete) Grout  Bentonite-Sand Slurry " "  Concrete  Bentonite Chips						
Was well annular space gro	outed?	Yes	No [	Unknown	──						
If yes, to what depth (feet)?		Depth to Wa			Bentonite Chips  Bentonite - Cement Grout						
		2.59	` ,		Granula	r Bentonite	E	Bentonite - Sand S	Slurry		
5. Material Used to Fi	II Wall / Dril	lholo			From (ft.)	To (ft.)		Sacks Sealant	Mix Ratio		
o. material occurrent	ii vvoii / Diii				T TOIL (I.E.)	10 (11.)	or Volume	(circle one)	or Mud Weight		
Bentonite chips					Surface	5	0.25		Sacks		
Denionite chips					Surface				Sacks		
6. Comments											
TW-319											
7. Supervision of Work								DNR Us	e Only		
Name of Person or Firm Do		Sealing	Licens	se #	_	Sealing (mm	n/dd/yyyy) Date Re	eceived	Noted By		
Stantec Consulting Ser	rvices, Inc.				03/27/2024						
Street or Route					Telephone Numb		Comme	nis			
12080 Corporate Park	way		State	ZIP Code	(262) 241-44 Signature of F		g Work	/ / / li			
Mequon			WI	53092	2.3		1///	- Think	04/01/2024		

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	ily of Fill a	and Seal		Drinking Water		☐ Watershe	ed/Wastewater	Remed	liation/Redevelopment		
				Waste Managen	nent	Other _					
1. Well Location Infor					2. Facility		nformation				
County	WI Unique W		Hicap #		Facility Name River Poir		+				
Manitowoc	Tromovod TV	OII			Facility ID (FID or PWS)						
Lattitude / Longitude (Degr	ees and Minu	tes)	Method Cod	e (see instruction		J 01 PWS)	\				
0 ' " '	N				License/Permit/Monitoring #						
0 1 " 1						·	,				
1/4 / NE   1/4 N	IE	Section	Township	Range X	Original Well						
or Gov't Lot #		30	19N		V City of Ma						
Well Street Address				'	Present Well 0						
N 10th St and N 11	th St				Mailing Addre		ot Ownor				
Well City, Village or Town			Well ZI	P Code	900 Quay		it Owner				
Manitowoc			54	220	City of Preser			State	e ZIP Code		
Subdivision Name River Point District			Lot #		Manitowo	C		W	<sub>T</sub> 54220		
Reason For Removal From	Comiles	A/I I Iniau a \A/	all # of Donle	acoment M/all	4. Pump, L	iner, Scre	en, Casing & S	ealing Material	·		
Monitoring Well Aba		WI Offique W	eli # Oi Repi	acement Well	Pump and	piping remo	ved?	Yes			
3. Well / Drillhole / Bo		rmation			Liner(s) rer	moved?		Yes			
Monitoring Well		Original Cor	nstruction Da	ate	Screen ren			∐ Yes			
	11/13/2023					in place?		Yes			
Water Well	Report is	Was casing cut off below surface?									
Drillhole / Borehol	ch.	"	i material ris al settle aftei		☐ Yes						
Construction Type:			as hole reto		Yes	s No N/A					
Drilled	Driven	(Sandpoint)	[	Dug	1		used, were they h	ydrated			
Other (Specify)				n safe source	Yes	s No No N/A					
Formation Type:							ng Sealing Materia		S. D. J		
Unconsolidated Forma	ition		Bedrock			tor Pipe-Gra ed & Poured	•	Other (Expla	Pipe-Pumped		
Total Well Depth From Gro	ound Surface (	ff) Casing	Diameter (ir	. )		ite Chips)	•	Other (Expir	alli)		
12	Jana Gariace (	2.00	•	,	Sealing Mater	ials					
Lower Drillhole Diameter (i	n.)	Casing	Depth (ft.)			ement Grout			nd Slurry (11 lb./gal. wt.)		
		13			Sand-Cement (Concrete) Grout  Concrete  Bentonite-Sand Slurry " "  Bentonite Chips						
Was well annular space gro	outed?	Yes	No [	Unknown	For Monitoring Wells and Monitoring Well Boreholes Only:						
If yes, to what depth (feet)	?	Depth to Wa	ater (feet)		Bentonite - Cement Grout						
		5.87			Granula	r Bentonite		Bentonite - Sand S	Slurry		
5. Material Used to Fi	II Well / Dril	llhole			From (ft.)	To (ft.)		Sacks Sealant (circle one)	Mix Ratio or Mud Weight		
D ( ) 12					G 6	5	0.30		G 1		
Bentonite chips					Surface		0.00		Sacks		
6. Comments											
MW-320											
7. Supervision of Work								DNR Us	•		
Name of Person or Firm Do		Sealing	Licens	e#	_	Sealing (mm	n/dd/yyyy) Date Re	eceived	Noted By		
Stantec Consulting Se	rvices, Inc.				03/27/2024	nor.	Cama	nto			
Street or Route	W.O.V				Telephone Numb		Comme	าแร			
12080 Corporate Park	way		State	ZIP Code	(262) 241-44 Signature of F		g Work	/ / / l	 Date Signed		
Mequon			WI	53092			1/1/	7 Sund	04/01/2024		