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State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

## Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request Form 4400-237 (R 12/18)

Page 1 of 7

Notice: Use this form to request a written response (on agency letterhead) from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code, unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

#### Definitions

- "Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.
- "Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

#### **Select the Correct Form**

This from should be used to request the following from the DNR:

- **Technical Assistance**
- Liability Clarification .
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

#### Do not use this form if one of the following applies:

- Request for an off-site liability exemption or clarification for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the Lender Liability Exemption, s 292.21, Wis. Stats., if no response or review by DNR is requested. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an exemption to develop on a historic fill site or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- Request for closure for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

#### Instructions

- 1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
- 2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
- 3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program and the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
- 4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Form 4400-237 (R 12/18)

Section 1. Contact and Recipient Information

Page 2 of 7

Requester Information												
This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.												
Last Name	First	MI	Organization/ Business Name									
Oehring	Dennis		RockGen Energy Center									
Mailing Address		City	State	ZIP Code								
2346 Clear View Road		Cambridge	WI	53523								
Phone # (include area code)	Fax # (include area code)		Email		•							
(608) 423-1181			dennis.oehring@rockgenenergy.com									
The requester listed above: (selec	ct all that apply)											
$\boxtimes$ Is currently the owner		[	Is considering selling the Property									
Is renting or leasing the Pro	operty	[	Is considering acquiring the Property									
Is a lender with a mortgage	e interest in the Property											
Other. Explain the status of the Property with respect to the applicant:												

Contact Information (to be	contacted with questions	about	this request)	Select if sar	ne as requester							
Contact Last Name	First	MI	Organization/ Business Name									
Ramey	Jeff	Т	TRC									
Mailing Address			City	State	ZIP Code							
6736 W. Washington Street,	Suite 2100		West Allis	Allis WI 5								
Phone # (include area code)	Fax # (include area code)		Email									
(414) 294-9247			jramey@trccompanies.com									
X Environmental Consultant	(if applicable)											
Contact Last Name	First	MI	Organization/ Business Name									
Ramey	Jeff	Т	TRC									
Mailing Address			City	State	ZIP Code							
6737 W. Washington Street,	Suite 2100		West Allis	WI	53214							
Phone # (include area code)	Fax # (include area code)		Email									
(414) 294-9247			jramey@trccompanies.com									
Attorney (if applicable)												
Contact Last Name	First	MI	Organization/ Business Name									
Mailing Address			City	State	ZIP Code							
Phone # (include area code)	Fax # (include area code)		Email									
Property Owner (if differe	nt from requester)		_									
Contact Last Name	First	MI	Organization/ Business Name									
Mailing Address		1	City	State	ZIP Code							
Phone # (include area code)	Fax # (include area code)		Email		<u> </u>							

	Form	4400-237 (R 12/18)	ost-Closure Modif	Icatio	Page 3 of 7				
Section 2. Property Inform	nation								
Property Name		FID No. (if known)							
RockGen Energy Center									
BRRTS No. (if known)		Parcel Identificati	on Number						
02-13-587341		061223285002							
Street Address		City		State	ZIP Code				
2346 Clear View Road		Cambridge		WI	53523				
County	Municipality where the Property is loca	ated	Property is composed of:	Pro	perty Size Acres				
Dane	City Town Village of Chris	stiana	o parcel o parcels	<sup>.ax</sup> 78					
<ul> <li>1. Is a response needed by a plan accordingly.</li> <li>No <ul> <li>Yes</li> <li>Date reques</li> <li>Reason:</li> </ul> </li> </ul>	a specific date? (e.g., Property closing on the specific date $\sim 10/18/2021$	date) Note: Most re	equests are completed with	ıin 60 d	ays. Please				
<ul> <li>2. Is the "Requester" enrolled</li> <li>No. Include the fee th</li> <li>Yes. Do not include a</li> <li>Fill out the information i</li> <li>Section 3. Technical A</li> <li>Section 4. Liability Classical</li> </ul>	d as a Voluntary Party in the Voluntary nat is required for your request in Se a separate fee. This request will be bille in Section 3, 4 or 5 which correspond Assistance or Post-Closure Modificat arification; or Section 5. Specialized	Party Liability Exer ction 3, 4 or 5. ed separately throu Is with the type o tions; Agreement.	nption (VPLE) program? ugh the VPLE Program. <b>f request:</b>						
Section 3. Request for Te	echnical Assistance or Post-Closure	Modification							
Select the type of technical a	assistance requested: [Numbers in bra	ackets are for WI	DNR Usej						
No Further Action to an immediate a Review of Site Invo	Letter (NFA) (Immediate Actions) - NR ction after a discharge of a hazardous s estigation Work Plan - NR 716.09, [135	708.09, [183] - In substance occurs. ] - Include a fee c	clude a fee of \$350. Use Generally, these are for a of \$700.	ior a wr one-tim	itten response ie spill event.				
Review of Site Inve	estigation Report - NR 716.15, [137] - I	Include a fee of \$	1050.						
Approval of a Site-	Specific Soil Cleanup Standard - NR 72	20.10 or 12, [67] -	Include a fee of \$1050.						
	dial Action Options Report - NR 722.13	s, [143] - Include a	tee of \$1050.						
Review of a Reme	dial Action Design Report - NR 724.09,	[148] - Include a	fee of \$1050.						
Review of a Reme	dial Action Documentation Report - NR	724.15, [152] - <b>In</b>	clude a fee of \$350						
Review of a Long-	term Monitoring Plan - NR 724.17, [25]	- Include a fee of	\$425.						
Review of an Oper	ration and Maintenance Plan - NR 724.	13, [192] - <b>Include</b>	e a fee of \$425.						
Other Technical Assistar	nce - s. 292.55, Wis. Stats. [97] (For req	uest to build on ar	abandoned landfill use Fo	orm 44(	)0-226)				
Schedule a Techni	ical Assistance Meeting - Include a fee	e of \$700.							
Hazardous Waste	Determination - Include a fee of \$700								
Other Technical As	ssistance - Include a fee of \$700. Exp	lain your request ir	n an attachment.						
Post-Closure Modification	ns - NR 727, [181]								
Post-Closure Mod sites may be on th \$1050, and:	ifications: Modification to Property bour the GIS Registry. This also includes remo	ndaries and/or cont oval of a site or Pro	tinuing obligations of a clos operty from the GIS Regist	sed site ry. <b>Incl</b>	or Property; ude a fee of				
Include a fee o	f \$300 for sites with residual soil contar	nination; and							
Include a fee o obligations.	of \$350 for sites with residual groundwa	ter contamination,	monitoring wells or for vap	or intru	ision continuing				

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Form 4400-237 (R 12/18)

Page 4 of 7

# Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

#### Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]** 

"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

#### Include a fee of \$700.

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:
  - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
  - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.
- Representative" liability exemption clarification (e.g. trustees, receivers, etc.) s. 292.21, Wis. Stats. [686]

#### Include a fee of \$700.

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

#### Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

Perceived environmental contamination - [649];

hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

solid waste - s. 292.23 (2), Wis. Stats. [649].

#### • Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

Form 4400-237 (R 12/18)

Page 5 of 7

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Section 4	. Request for Liability Clarification (cont.)
Lea	ise liability clarification - s. 292.55, Wis. Stats. [646]
*	Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:
(1)	a copy of the proposed lease;
(2)	the name of the current owner of the Property and the person who will lease the Property;
(3)	a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
(4)	map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
(5)	a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
(6)	all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.
Genera *	al or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below. Include a fee of \$700 and an adequate summary of relevant environmental work to date.
🗌 No	Action Required (NAR) - NR 716.05, [682]
*	Include a fee of \$700.
Use ass bee	e where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further essment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has en conducted; the assessment reports should be submitted with this form. This is not a closure letter.
🗌 Cla	rify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]
*	Include a fee of \$700.
- Incluc	le a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

#### Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: <u>dnr.wi.gov/topic/Brownfields/lgu.html#tabx4</u>.

Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

#### Include a fee of \$700, and the information listed below:

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

#### Include a fee of \$700, and the information listed below:

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

#### Include a fee of \$1400, and the information listed below:

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

Form 4400-237 (R 12/18)

Page 6 of 7

Section 6. Other Information Submitted
Identify all materials that are included with this request.
Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.
Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.
Phase I Environmental Site Assessment Report - Date:
Phase II Environmental Site Assessment Report - Date:
Legal Description of Property (required for all liability requests and specialized agreements)
Map of the Property (required for all liability requests and specialized agreements)
Analytical results of the following sampled media: Select all that apply and include date of collection.
Groundwater Soil Sediment Other medium - Describe:
Date of Collection:
A copy of the closure letter and submittal materials
Draft tax cancellation agreement
Draft agreement for assignment of tax foreclosure judgment
Other report(s) or information - Describe:
For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?
◯ Yes - Date (if known):
○ No
Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

#### Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: Dennis Oehring

**Requester Name** 

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Signature

9/24/2021

Date Signed

Senior Project Manager

(414) 294-9247

Telephone Number (include area code)

Title

Form 4400-237 (R 12/18)

Page 7 of 7

#### Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a <u>DNR regional brownfields specialist</u> with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <u>http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf</u>.



Attn: RR Program Assistant Department of Natural Resources 223 E Steinfest Rd Antigo, WI 54409

#### DNR NORTHEAST REGION

Attn: RR Program Assistant Department of Natural Resources 2984 Shawano Avenue Green Bay WI 54313

#### **DNR SOUTH CENTRAL REGION**

Attn: RR Program Assistant Department of Natural Resources 3911 Fish Hatchery Road Fitchburg WI 53711

#### DNR SOUTHEAST REGION

Attn: RR Program Assistant Department of Natural Resources 2300 North Martin Luther King Drive Milwaukee WI 53212

#### **DNR WEST CENTRAL REGION**

Attn: RR Program Assistant Department of Natural Resources 1300 Clairemont Ave. Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only													
Date Received	Date Assigned		BRRTS Activity Code	BRRTS No. (if used)									
DNR Reviewer Co			iments										
Fee Enclosed?	Fee Amount		Date Additional Information Requested	Date Requested for DNR Response Letter									
◯ Yes ◯ No	\$												
Date Approved	Final Determination												



# Site Investigation Report

# RockGen Energy Center Town of Christiana, Wisconsin

September 2021

# BRRTS #02-13-587341

## **Prepared For:**

RockGen Energy, LLC 2346 Clear View Road Cambridge, WI 53523

## **Prepared By:**

TRC 6737 West Washington Street, Suite 2100 West Allis, Wisconsin 53214

Lydia Auner Project Geologist

enn

Kenneth J. Quinn, P.G. (WI) Technical Director - Hydrogeologist

Jeff Ramey Senior Project Manager



## **TABLE OF CONTENTS**

EXEC		SUMMA	NRY	III									
1.0	PROJECT MANAGEMENT PLAN												
	1.1	Site Inf	ormation	.1									
	1.2	Certifie	d Hydrogeologist Certification	.2									
2.0	INTRO	DUCTI	ON	. 3									
	2.1	Propert	y Description and Information	.3									
	2.2	Backgr	ound	.3									
	2.3	Purpos	e of Site Investigation	.4									
	2.4	Scope	of Report	.4									
3.0	SITE C	ONDIT	10NS	. 5									
	3.1	Topogr	aphy	.5									
	3.2	Site Fe	atures	.5									
	3.3	Historical PFAS Use											
	3.4	Potential Migration Pathways											
	3.5	Regional Geology and Hydrogeology											
4.0	SITE INVESTIGATION METHODS												
	4.1	Soil Investigation											
		4.1.1	April 2021	. 9									
		4.1.2	May 2021	10									
	4.2 Stormwater Sampling												
	4.3	Groundwater Investigation											
		4.3.1	Potable Well Packer Interval Sampling	11									
		4.3.2	Monitoring Well Installation and Development	11									
		4.3.3	Piezometer Installation and Development	11									
		4.3.4	Site Groundwater Monitoring	11									
		4.3.5	Hydraulic Conductivity Analysis	12									
		4.3.6	Off-Site Private Well Sampling	12									
	4.4	Sample	Analysis	12									
	4.5	Investig	pation-Derived Waste	12									
5.0	RESU	LTS		13									
	5.1	Geolog	y and Hydrogeology	13									
		5.1.1	Soil and Bedrock Units	13									
		5.1.2	Hydrogeology	13									
	5.2	Analytic	cal Results	14									
		5.2.1	Data Usability Review	14									
		5.2.2	Soil Results	14									
		5.2.3	Stormwater Results	16									
		5.2.4	Groundwater Results	16									
	5.3	Potenti	al Groundwater Receptors	17									



	5.4	Vapor		. 17
	5.5	Emergi	ng Contaminants	. 17
6.0	CONC	LUSIO	NS AND RECOMMENDATIONS	18
	6.1	sions	. 18	
	6.2	Recom	mendations	. 18
		6.2.1	Interim Actions	. 18
		6.2.2	Supplemental Site Investigation	. 19
7.0	REFEF	RENCE	S	20

## TABLES

- Table 2:Soil Sample Results
- Table 3: Blank Sample Results
- Table 4:Stormwater Sample Results
- Table 5:
   Groundwater Sample Results

## **FIGURES**

- Figure 1: Site Location Map
- Figure 2: Site Vicinity Map
- Figure 3: Site Topography
- Figure 4: Site Layout Map
- Figure 5: Site Investigation Overview
- Figure 6: Water Table Map, March/May 2021
- Figure 7: Water Table Map, July 2021
- Figure 8: Soil Results Map
- Figure 9: Groundwater Results Map, March/May 2021
- Figure 10: Groundwater Results Map, July 2021
- Figure 11: Groundwater Results Pie Charts, March/May 2021
- Figure 12: Groundwater Results Pie Charts, July 2021
- Figure 13: Geologic Cross Section A-A'

## **APPENDICES**

- Appendix A: Deed and Survey Map
- Appendix B: Background Information
- Appendix C: Soil Boring and Well Documentation
- Appendix D: Hydraulic Conductivity Test Documentation
- Appendix E: Site-Specific Soil Criteria Calculations



# **Executive Summary**

TRC Environmental Corporation (TRC), on behalf of RockGen Energy, LLC (RockGen), has conducted site investigation activities for the RockGen Energy Center (Site) located at 2346 Clear View Road, Cambridge, Wisconsin, under Wisconsin Department of Natural Resources (WDNR) Bureau for Remediation and Redevelopment Tracking System (BRRTS) #02-13-587341. The purpose of the site investigation is to define the degree and extent of per- and polyfluoroalkyl substances (PFAS) associated with the Site. Based on the chemical signature of PFAS detected in the investigation, intermittent inspection testing of aqueous film-forming foam (AFFF) for the site's fire suppression system is thought to be the source of PFAS associated with the Site.

TRC conducted initial site investigation activities between April and July 2021 including soil sampling at 30 locations; stormwater sampling; packer interval sampling of the site potable well; sampling of the Site deep production wells; installation, development, and sampling of seven monitoring wells and one piezometer; hydraulic conductivity analysis for three monitoring wells; and sampling of a downgradient private well.

PFAS have been detected in soil, stormwater, and groundwater at the site. PFAS concentrations in soil and groundwater samples are generally highest in the AFFF testing area, but impacts are also present in other areas of the site, possibly due to the transport of PFAS via pathways such as the storm sewer and septic system.

Soil sample results indicate PFAS impacts to soil in the AFFF testing area, the septic mound area, the western swale, and the stormwater outlet and wooded drainage channel area at concentrations above generic and below site-specific groundwater pathway criteria and less than NR 720 direct contact residual contaminant levels (RCLs). WDNR has accepted an Interim Action Workplan to address the pathways affected by PFAS-impacted soils at the Site.

Groundwater sample results indicate PFAS at concentrations greater than the proposed NR 140 enforcement standards (ESs) in the vicinity of the AFFF testing area (including the site potable well), in the northwest corner of the site near the storm sewer outlet, and downgradient from the septic mound. WDNR has accepted a supplemental investigation workplan (SIWP) to further define the horizontal and vertical extents of PFAS impacts in groundwater at the Site. The findings of the supplemental investigation will be used to determine if additional investigation and/or remediation are needed, including a potential interim action for a groundwater extraction and treatment system or monitored natural attenuation.

<sup>\\</sup>employees.root.local\env\AMS\Brookfield\MLW-VOL1\-\WPMLW\PJT2\437865\0000\000003\R437865000PH3-001.docx



# 1.0 Project Management Plan

## 1.1 Site Information

Parcel #061223285002 Town of Christiana, Dane County, Wisconsin BRRTS #02-13-587341 X Coordinate (WTM91): 597536 Y Coordinate (WTM91): 278545 NW ¼ of NW ¼, Section 23, T06N R12E

## **Responsible Party**

RockGen Energy, LLC 2346 Clear View Road Cambridge, WI 53523

Attention: Mr. Dennis Oehring 608-423-1181 dennis.oehring@rockgenenergy.com

## **Environmental Consultant**

TRC Environmental Corporation (TRC) 6737 West Washington Street, Suite 2100 West Allis, WI 53214

Attention: Jeff Ramey, Senior Project Manager 414-294-9247 jramey@trccompanies.com



#### 1.2 Certified Hydrogeologist Certification

I, Kenneth J. Quinn, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



September 24, 2021 Date



# 2.0 Introduction

## 2.1 **Property Description and Information**

The subject property is located at 2346 Clear View Road in the Town of Christiana, Dane County, Wisconsin and consists of two parcels (parcel #061223285002 and parcel #061223290005) covering 77.81 acres (**Figures 1 and 2**). The RockGen Energy Center, a natural gas- and fuel oil-fired power generation facility, is located on the northeast quadrant of the property. For the purposes of this site investigation, the "Site" is considered to be the extent of the RockGen Energy Center, located on the eastern portion of the northern parcel of the property (parcel #061223285002) and covers an area of approximately 10 acres. The Site is located in the NW ¼ of the NW ¼ of Section 23, Township 6N, Range 12E. The mailing address for the property references the City of Cambridge; however, the property is located within the Town of Christiana.

A former limestone quarry is located on the northwest quadrant of the property and agricultural land is located on the southern portion of the property. The former homestead (including house and barn) visible on the southern portion of the property in the aerial imagery on **Figure 2** is no longer present. A current property deed and certified survey map for the property at 2346 Clear View Road (parcel #061223285002 and parcel #061223290005) are included in **Appendix A**.

The subject property is predominantly surrounded by agricultural fields and associated residences (**Figure 2**). The Wisconsin Power & Light Company Rockdale Switching Station is located approximately 1,000 feet east of the Site, and T & T Stone Co., Inc. operates a quarry approximately 1,500 feet northeast of the Site.

## 2.2 Background

A Phase I Environmental Site Assessment (ESA) for the property was completed on behalf of Calpine Operating Services Company, Inc. (Calpine) in March 2019. The Phase I ESA was conducted for the entire property consisting of 77.81 acres (parcel #061223285002 and parcel #061223290005). No recognized environmental conditions or de minimis conditions were identified. The following historical site use information was obtained from the Phase I ESA:

- 1910 Agricultural (dairy farm) use on southeast portion of property.
- 1945 Limestone quarry operated by T&T Stone Co. Inc. on northwest portion of property.
- 2000 A previous owner constructed of a natural gas- and fuel oil-fired power generation facility on the northeast portion of the property, which included three combustion turbines and generators, three aboveground storage tanks, and support structures.
- 2019 Property transfer from the previous owner to the current owner of RockGen Energy, LLC (RockGen).
- Current The Site continues to operate as the RockGen natural gas- and fuel oil-fired power generation facility.



On March 8, 2021, RockGen was notified by a consultant working on behalf of a third party that per- and polyfluoroalkyl substances (PFAS) were detected in a sample collected from a kitchen sink tap at the facility. RockGen immediately discontinued use of the on-site potable well for drinking water purposes and provided bottled water to the employees. RockGen confirmed the presence of PFAS in the unfiltered kitchen sink tap and subsequently reported the results to the Wisconsin Department of Natural Resources (WDNR). On March 19, 2021, the Site was assigned Bureau for Remediation and Redevelopment Tracking System (BRRTS) #02-13-587341 and RockGen Energy, LLC was identified as the responsible party (RP) in a WDNR letter issued March 23, 2021. On April 31, 2021, a 3M-NSF certified filtration system was installed to filter the potable well water.

TRC, on behalf of RockGen, prepared and submitted a site investigation work plan (SIWP) that was granted conditional approval by the WDNR on April 9, 2021. TRC conducted the initial phases of the site investigation from April through July 2021 in accordance with the SIWP and conditional approval letter. Based on the results from the initial site investigation activities, TRC submitted an Interim Action Workplan on July 23, 2021 describing proposed interim source control actions that received WDNR approval on July 30, 2021. TRC also submitted a Supplemental SIWP on August 6, 2021 to further define the degree and extent of PFAS in groundwater that received WDNR approval on August 13, 2021.

## 2.3 **Purpose of Site Investigation**

The purpose of this site investigation is to:

- define the nature, degree, and extent of PFAS in soil, stormwater, and groundwater associated with the Site, and
- characterize the groundwater flow direction and hydraulic conductivity of materials where PFAS are found in groundwater.

## 2.4 Scope of Report

The purpose of this site investigation report (SIR) is to provide a summary of the initial site investigation activities, investigation results, conclusions, and recommendations. The site investigation is not yet complete, as a supplemental investigation is recommended to further define the extent of PFAS in groundwater. A supplemental Site investigation is detailed in the August 2021 Supplemental SIWP. A summary of the proposed interim actions is included in this report and full details are provided in the July 2021 Interim Action Workplan.



# 3.0 Site Conditions

## 3.1 Topography

Regional topographical information shown on **Figure 1** indicates the site elevation is approximately 930-940 feet (ft) above mean sea level (amsl) and regional topography generally slopes to the southeast. Topography within the Site generally slopes to the north and west, from approximately 940 ft amsl in the southern half of the site to 930 ft amsl in the northwest corner (**Figure 3**). A drainage swale runs north/south on the western edge of the Site extent area. A stormwater drainage channel runs from the storm sewer outlet near the northwest corner of the property. The stormwater drainage channel is well-defined in some areas but may split or spread out within the forested area. A former limestone quarry is located approximately 90 ft west of the Site, which appears to intermittently contain water based on aerial imagery. The base of the quarry is approximately 890 ft amsl (about 40-50 ft below the Site elevation).

The nearest mapped surface water is an unnamed intermittent stream located approximately 1,360 ft west of the site. Based on aerial imagery, there also appears to be a small pond or drainage basin located approximately 1,400 ft east of the Site, to the south of an electrical substation. Koshkonong Creek is located approximately 4,000 ft (0.75 miles) southeast of the Site and approximately 4,400 ft (0.83 miles) east of the Site.

## 3.2 Site Features

Major aboveground structures on Site include three power generating units; storage tanks for fuel oil, service water, and demineralized water; a fire pump house; fuel oil unloading area; and a control/maintenance building, as shown on **Figure 4**.

Subsurface utilities on Site include the storm sewer, underground process piping, and septic system, as shown on **Figure 4**. Pre-construction drawings of subsurface utilities are provided in **Appendix B**. A grounding grid is present across most of the site and consists of grounding cables in a grid pattern buried approximately 1"-6" below grade, according to the pre-construction drawings (**Appendix B**).

Three water wells are currently in use at the Site, including one potable water well that provides drinking and sanitary water to the facility and two high-capacity wells that provide water for the power generation processes (**Figure 4**). Well construction records for these wells (**Appendix B**) indicate the potable well is cased to 100 ft bgs and installed to a total depth of 215 ft bgs. The two deep production wells are both cased to 514 ft bgs and installed to total depths of 982 and 1043 ft bgs, respectively.

Sanitary wastewater from the facility is routed to an on-site septic system and mound drain field located in the grassy area east of the buildings, as shown on **Figure 4**. The design of the mound drain field is included in Appendix E of the April 2021 SIWP, and in general consists of a single distribution pipe laid in a gravel bed topped with a straw, marsh hay, or synthetic covering, surrounded by sand and covered with topsoil. The gravel bed is approximately 40 ft. long, 5 ft. wide, and 0.83 ft. thick and consists of 0.5 in. to 2.5 in. diameter gravel. The mound is approximately 60 ft long, 23 ft wide, and 3.33 ft high at the tallest point. The water used for sanitary purposes is directly obtained from the potable well and has been filtered with a 3M-NSF certified system since April 31, 2021.

RockGen Energy, LLC – Site Investigation Report RockGen Energy Center – Town of Christiana, Wisconsin

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## 3.3 Historical PFAS Use

RockGen has a fire suppression system for its fuel oil storage tank that uses PFAS-based aqueous film forming foam (AFFF). The system is designed to release AFFF only into the fuel oil tank and its secondary containment tank. The secondary containment tank is the tank visible on the aerial photo in **Figure 4** and the fuel oil tank is located inside of the exterior tank. A storage tank of foam concentrate for the fire suppression system is located in the fire pump house (**Figure 4**). The AFFF concentrate is designed to be mixed with water to form a foam solution. Piping for the foam extends from the fire pump house to the fuel oil tank. The AFFF concentrate currently in the Fire Suppression System is Ansulite 3% AFFF (AFC-3A). Safety data sheets (SDS) and Ansul product sheets for this AFFF were provided in Appendix C of the April 2021 SIWP.

According to the Phase I ESA and Site contacts, there have been no actual fire events or emergency responses where the Fire Suppression System deployed AFFF. In March 2019, the Fire Suppression System deployed into the fuel oil tank in response to a sensor triggered by a suspected high temperature event. The foam deployed during the March 2019 event was contained within the inner fuel oil tank and disposed of offsite by a third-party vendor. The March 2019 event occurred prior to acquisition of the facility by its current owner.

Testing inspections of the Fire Suppression System were conducted on behalf of the previous facility owner by J.F. Ahern Co. According to Site contacts, foam inspection testing resulted in one or more releases of foam in the area indicated in **Figure 4** as the approximate area of AFFF inspection testing, including the ground between the fire pump house and the fuel oil unloading area and the sump in the fuel oil unloading area. Based on conversations with RockGen, the most recent foam system inspection occurred in November 2018, prior to acquisition of the facility by its current owner. The J.F. Ahern Co. foam inspection reports or foam sample results from 2008, 2009, 2012, 2014, 2015, and 2018 were provided in Appendix D of the April 2021 SIWP. The foam inspection reports indicate the AFFF that was inspected in the Fire Suppression System was AFC-3A.

The 2008 foam inspection report indicated that the foam concentrate tank contained approximately 725 gallons of AFC-3A before inspection and 710 gallons after inspection. Subsequent inspection reports also document a reduction of AFC-3A in the tank and there is no indication that AFFF was added to the tank from 2008 to 2018. The 2018 foam inspection report indicated that the measured quantity of concentrate was 530 gallons. Based on these records, it is possible that up to a maximum of 195 gallons of AFC-3A concentrate (equating to 6,500 gallons of 3% foam solution) may have been used during foam inspections between 2008 and 2018; however, it is unknown exactly how much foam may have been released to the environment, if any releases of foam may have occurred prior to this window of time, or whether foam may have been deployed into the fuel oil tank as a result of sensors being triggered, as happened in March 2019.

## 3.4 Potential Migration Pathways

Surface water from the AFFF inspection testing area (excluding the sump) drains into a storm sewer inlet located to the northwest of the testing area and is routed to the storm sewer outlet located near the northwest corner of the Site, as shown on **Figure 4**. Storm water discharging from the storm sewer outlet flows through the wooded area, where a drainage channel is present,



and ultimately drains to the storm water retention basin on the northwest corner of the property, as shown on **Figure 3**.

A utility corridor runs north-south beneath the approximate area of AFFF inspection testing, as shown on **Figure 4**. Utility corridors can have the potential to serve as preferential pathways, especially when backfilled with material that has a higher permeability than the surrounding material. If this corridor is excavated into bedrock and backfilled with sand and/or gravel, it could serve as a preferential pathway. However, the extent and depth of bedrock excavation during original site construction is unknown. The capping of this potential preferential pathway is addressed in the July 2021 Interim Action Workplan.

As discussed in Section 3.2, sanitary wastewater from the facility is routed to an on-site septic system and mound drain field located in the grassy area east of the buildings, as shown on **Figure 4**.

The three existing Site wells are constructed with open bedrock boreholes, which have the potential to serve as vertical conduits for PFAS-impacted groundwater. The potable well, which has an open borehole from approximately 100 to 200 ft bgs, may facilitate downward transport of groundwater within the well during periods of time when the well is not pumping.

## 3.5 Regional Geology and Hydrogeology

Shallow, unconsolidated sediments in the area are mapped as subglacial till of the Horicon Member of the Holy Hill Formation, described as gravelly, clayey, silty sand (Clayton and Attig, 1997). Bedrock at the Site is mapped as the Ordovician Sinnipee Group, consisting of the Galena dolomite, Decorah shale, and Platteville dolomite and shaly dolomite (Brown et al., 2013). Depth to bedrock is mapped at 0 to 50 ft below ground surface (bgs) (Trotta and Cotter, 1973).

The previous well construction records for the three existing facility wells and two abandoned facility wells indicated limestone is present at the ground surface, and generally indicate the following stratigraphy:

- Limestone with some sandstone layers from ground surface (0 ft bgs) to lower depths ranging from 55 to 70 ft bgs.
- Sandstone with shale layers from upper depths ranging from 55 to 70 ft bgs to lower depths ranging from 97 to 135 ft bgs.
- Dolomite with shale and/or sandstone layers from upper depths ranging from 97 to 135 ft bgs to lower depths ranging from 180 to 220 ft bgs.
- Sandstone with dolomite and shale layers from upper depths ranging from 180 to 220 ft bgs to lower depths ranging from 1030 to 1100 ft bgs.
- Granite beginning at depths ranging from 1030 to 1100 ft bgs.

The nearest mapped surface water is an intermittent stream to the west of the Site located at an approximate elevation between 880 and 890 ft amsl. The intermittent nature of the stream indicates that it is located above the water table and is therefore not interpreted to be the nearest groundwater discharge point. The next closest surface water body is Koshkonong Creek, located to the east at an elevation of approximately 815 ft amsl and to the southeast at an elevation of

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approximately 810 ft amsl. Therefore, the shallowest groundwater at the Site is expected to flow to the east or southeast and discharge to Koshkonong Creek. This interpretation is supported by the 2016 Dane County Groundwater Flow Model, which predicts flow to the east/southeast in the vicinity of the Site (Parsen et al., 2016).



# 4.0 Site Investigation Methods

The investigation was completed in accordance with the April 2021 SIWP, with additional items including those requested in the WDNR's Conditional Approval of Site Investigation Workplan dated April 9, 2021. Sample locations are shown on **Figure 5**.

## 4.1 Soil Investigation

Soil sampling was conducted in two stages, in accordance with the SIWP: the first on April 20 and 21, 2021, and the second on May 10 and 11, 2021.

## 4.1.1 April 2021

The initial soil sampling was completed on April 20 and 21, 2021 by TRC and its Geoprobe subcontractor, Direct Push Analytical. The sampling included 16 soil borings (SB-01 through SB-16) installed to refusal and three surficial soil samples (SS-01 through SS-03) at the locations shown on **Figure 5**, along with associated QC samples. Soil borings were installed using direct push methods except where a hand auger was used in the septic mound area, as described below. The three soil borings proposed in the work plan near the AFFF inspection testing area could not be installed due to the presence of an underground utilities, and these boring locations were replaced with surficial soil samples collected using a shovel.

Soil samples from borings in the area of the Fire Suppression System and near the inlet and outlet of the storm sewer that drains the AFFF inspection testing area were composited from the 0-2 ft bgs interval where possible, as specified in the work plan. Soil boring SB-06 was sampled from 0-1.5 ft bgs due to refusal at 1.5 ft bgs and soil boring SB-14 was sampled from 0-4 ft bgs due to insufficient recovery at 0-2 ft bgs.

Four soil borings were installed in the septic mound area, as planned: two along the centerline of the mound (SB-10 and SB-13) and two along the lateral edges (SB-11 and SB-12). A hand auger was used for the upper portions of the boreholes along the centerline of the mound to avoid damaging the septic system pipe. Two soil samples were collected from each of the soil borings along the centerline of the mound: one sample from the two-foot interval below the gravel bed of the septic mound (~2-4 ft bgs) and a deeper sample from the two-foot interval ending at the refusal depth. Soil samples were collected from the soil borings along the lateral edges of the mound from directly beneath the sand of the septic system base (2-4 ft bgs) and the two-foot interval ending at the refusal ending at the refusal depth, but the deeper samples were not analyzed based on the results from the shallower samples.

Surficial soil samples from locations SS-01 through SS-03 were collected from 0-1 ft bgs using a shovel.

Soil samples were placed in stainless-steel bowls and homogenized using gloved hands and/or a stainless-steel spatula prior to being placed in containers for laboratory analysis. Decontamination procedures followed those outlined in the work plan.

The following equipment blanks were collected as rinsate samples:

• EB-01-202104: stainless-steel bowl (after decontamination) and gloved hand (new gloves)



- EB-02-202104: geoprobe liner (new) and cutting shoe (after decontamination)
- EB-03-202104: shovel (after decontamination) used for surficial soil sampling

The boreholes were abandoned in accordance with NR 141.25 by plugging the open portion of the borehole with bentonite chips to the ground surface. Soil boring logs and abandonment forms are included in **Appendix C**.

## 4.1.2 May 2021

Additional soil sampling was completed by TRC on May 10 and 11, 2021 to further delineate PFAS impacts along the swale on the western edge of the plant area and around the stormwater drainage channel in the northwest portion of the property. Sampling included six soil borings along the western swale and fence line (SB-17 through SB-22), four soil borings in the vicinity of the stormwater drainage channel (SB-23 through SB-26), and one surficial soil sample between the wooded area and the stormwater retention basin (SS-04). The surficial soil sample was collected because a hand auger boring was not feasible in this area due to the rocky terrain; the only soil observed was small amounts between or on top of rocks.

The soil borings were installed primarily using hand augers, though shovels were used to clear rocks from hang auger borings as needed. Borings along the western edge of the site were installed to 2 ft bgs or refusal, if shallower. Borings around the stormwater drainage channel were installed to 4 ft bgs or refusal, if shallower.

Soil samples were placed on new plastic sheeting for each borehole and a subsample of soil representing each two-foot interval was homogenized by hand on the plastic sheeting using new gloves before being placed in sample containers.

The following equipment blanks were collected as rinsate samples associated with this soil sampling:

- EB-06-202105: two hand augers, shovel, plastic sheeting, gloves (for soil borings)
- EB-07-202105: trowel, plastic sheeting, glove (for surficial soil sample)

The boreholes along the western swale and fence line were abandoned by filling the open borehole with bentonite chips and/or replacing the rocks and soil/grass removed with a shovel back into the shovel hole. The boreholes in the wooded area were abandoned by filling the borehole with the soil from the borehole. Soil boring logs are included in **Appendix C**.

#### 4.2 Stormwater Sampling

Stormwater samples were collected from the storm sewer outlet (as shown on **Figure 2**) during a rain event on June 29, 2021. Precipitation started prior to the arrival of TRC field staff and the exact time of the start of flow at the outlet is unknown. The first stormwater sample is approximately the "first flush" sample (collected within 30 minutes of first flow), as had been requested by the WDNR. Sampling included two samples collected 100 minutes apart, a duplicate sample, and a field blank. Samples were collected from the flow of the storm sewer outlet by submerging laboratory containers approximately 2 inches beneath the surface of the flowing water.



## 4.3 Groundwater Investigation

## 4.3.1 Potable Well Packer Interval Sampling

Groundwater sampling was conducted using straddle packers to isolate intervals within the open borehole of the potable well between the bottom of the casing at 100 ft bgs and the bottom of the well measured at 199 ft bgs. Groundwater samples were collected from the following five intervals of 17-21 ft each: 100-117 ft, 116.25-137.25 ft, 136.75-157.75 ft, 157.5-178.5 ft, and 175.25-196.25 ft. These intervals were designed to overlap slightly with the intention of sampling the entirety of the open borehole except the bottom 2.75 ft of the well that could not be sampled because the lower packer blocked that space. At least 10 times the volume of each packer interval was purged prior to collecting a sample from that interval.

## 4.3.2 Monitoring Well Installation and Development

Seven NR 141-compliant monitoring wells (MW-01 through MW-07) were installed to intersect the water table, as depicted in **Figure 5**. Boreholes for the monitoring wells were installed using rotosonic drilling methods. Wells were constructed with schedule 40 PVC and 10- or 15-ft screens. Well construction was completed as proposed in the work plan with the following exceptions: some wells were constructed with 15 ft screens instead of 10 ft screens, the location of MW-4 was adjusted due to the presence of an underground utility corridor, and the upper six inches of soil was removed from a circular area of at least 8 inches in diameter prior to drilling in order to prevent leakage of drilling fluids from the mud tub created by a 1.5 ft by 1.5 ft square hole specified in the SIWP. Boring log and well construction forms are provided in **Appendix C**.

Monitoring wells were developed in accordance with NR 141. All wells were developed by bailing with disposable HDPE bailers and then pumping with a submersible pump if the well did not bail dry. Well development forms are provided in **Appendix C**.

## 4.3.3 Piezometer Installation and Development

One piezometer, PZ-01, was installed in the vicinity of monitoring well MW-05 as depicted in **Figure 5**. The piezometer was constructed with permanent 6" steel casing from 0-280 ft bgs and screened from 290-300 ft bgs. The piezometer was developed in accordance with NR 141 by purging water from the well using an inertial pump. The boring log, well construction form, and well development form for PZ-01 are included in **Appendix C**.

## 4.3.4 Site Groundwater Monitoring

Two groundwater monitoring events have been conducted on Site, in May and July 2021. The first round of groundwater sampling was conducted on May 17 and 19, 2021. Samples were collected from the seven monitoring wells (MW-01 through MW-07) and two deep production wells (Well 1 and Well 2). Water levels in the monitoring wells were measured on May 17, 2021 prior to sampling; however, because well development was still underway for some wells on May 17, an additional round of water level measurements was collected on May 27, 2021. Groundwater elevation measurements are provided in **Table 1**. The piezometer (PZ-01) was sampled on July 1, 2021 after installation was completed.

The second round of groundwater sampling was conducted during July 14-16, 2021. Samples were collected from the seven monitoring wells (MW-01 through MW-07), the on-site potable well,



two deep production wells (Well 1 and Well 2), and the piezometer (PZ-01). The monitoring well sampling was conducted using a portable bladder pump. Piezometer sampling was conducted using the dedicated bladder pump.

## 4.3.5 Hydraulic Conductivity Analysis

Hydraulic conductivity analysis was performed on May 20 and 21, 2021 at three of the monitoring wells: MW-01, MW-03, and MW-05, which were selected to represent a range of hydraulic conductivities based on observations made during well development. Slug tests were conducted by removing a slug of water using a bailer to induce a temporary decrease in hydraulic head while a pressure transducer was used to record recovery. Hydraulic conductivity estimates were calculated using routine methods, as documented in **Appendix D**.

## 4.3.6 Off-Site Private Well Sampling

On July 21, 2021, TRC collected a groundwater sample from the private well located at the residential property to the southeast of the Site, 2304 Carpenter Swain Road. The water sample was collected from a tap located upstream of the pressure tank after purging 35 gallons of water (at least one volume of the 33.4-gallon expansion tank) from the tap. A field blank was collected in the same location where the water sample was collected.

## 4.4 Sample Analysis

Soil and water samples were analyzed for 33 PFAS analytes, as recommended by the WDNR at the time of sampling and approved in the SIWP, by a laboratory certified under NR 149. Stormwater samples were also analyzed for total suspended solids (TSS) using EPA Method 2540D.

## 4.5 Investigation-Derived Waste

Investigation-derived waste (IDW) generated during this investigation included decontamination fluids, soil cuttings/excess sample material, rock cuttings and mud tub cuttings from rotosonic drilling, cuttings from mud rotary drilling, purge water from the potable well, purge water and development water from the monitoring wells and piezometer, and general refuse (e.g., used personal protective equipment, single-use sampling equipment, and trash).

Decontamination fluids, rock cuttings and mud tub cuttings from rotosonic drilling, cuttings from mud rotary drilling, purge water from the potable well, and purge water and development water from the monitoring wells and piezometer were containerized, labeled with the contents, and left on site pending future characterization. Some soil cuttings from the May 2021 sampling were returned to the hand-augered boreholes from which they were removed, as described in **Section 4.1.2**. The other soil cuttings from May 2021 and the soil boring cuttings from April 2021 were containerized, labeled, and left on site pending characterization results. General refuse was collected in trash bags and placed in a waste dumpster.



# 5.0 Results

## 5.1 Geology and Hydrogeology

## 5.1.1 Soil and Bedrock Units

Based on sampling during well drilling and refusal depths from direct push and hand auger soil borings, depth to bedrock ranges from approximately 1 to 16 ft bgs. Bedrock was most shallow along the swale on the western edge of the Site. Depth to bedrock of 10 ft or more was observed in the northwest corner of the site (MW-01), near the AFFF testing area (MW-04), in the area of the septic mound, and in the farm field south of the Site (in MW-07). Given the shallow depth to bedrock, it is expected that bedrock may have been excavated for the installation of subsurface utilities in the utility corridor that runs north-south through the AFFF testing area. The exact depth of excavation is not known and drilling was not conducted in this area due to the presence of utilities.

Soil observed during the investigation included clay, silt, sand, and gravel. In general, sand and gravel assumed to be fill material were predominant in the areas where sand and gravel is the surficial material at the site, and silt and clay were predominant in the grassy or vegetated portions of the site.

The uppermost carbonate bedrock, interpreted as dolomite based on regional geology, was observed to extend to approximately 51-56 ft bgs during drilling for the monitoring wells MW-02 through MW-07 and the piezometer PZ-01. During drilling for the monitoring wells, no sample was recovered for the bottom 6-16 feet of each boring; sandstone is presumed to occur in these intervals of no recovery. Drilling for piezometer PZ-01 indicated sandstone from 54-86 ft bgs, dolomite from 86-158 ft bgs, and sandstone from 158-300 ft bgs.

## 5.1.2 Hydrogeology

Groundwater elevations measured in May and July 2021 are summarized in **Table 1**, and water table contours and flow direction are depicted on **Figures 6 and 7**. Groundwater elevations measured in monitoring wells during May and July 2021 ranged from about 883 to 886 ft amsl, corresponding to depths to water around 54 to 58 ft bgs in wells MW-02 through MW-07 and around 43 ft bgs in MW-01. These water table elevations generally occur within the interval where no bedrock samples were recovered during monitoring well installation, which is presumed to be sandstone underlying the upper dolomite. The groundwater flow direction at the water table is generally to the southeast based on the May and July 2021 measurements.

The groundwater elevation measured in piezometer PZ-01 in July 2021 was approximately 845 ft amsl, or about 98 ft bgs. PZ-01 is screened from 290-300 ft bgs within a sandstone layer that is separate from the sandstone where the water table is encountered.

Hydraulic conductivity tests conducted in MW-01, MW-03, and MW-05 indicate hydraulic conductivity values ranging from approximately  $1x10^{-4}$  cm/sec to  $1x10^{-3}$  cm/sec, as summarized in **Appendix D**.



## 5.2 Analytical Results

Analytical results are provided in **Tables 2-5**. Laboratory reports were previously submitted to the WDNR in interim submittals dated May 7, 2021; May 28, 2021; July 16, 2021; July 30, 2021; and August 6, 2021 and are available on BRRTS. As such, copies of these laboratory reports are not included with this report.

## 5.2.1 Data Usability Review

The analytical data were reviewed using the Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537 (November 2018). The following items were included in the evaluation of the data:

- sample receipt, as noted in the cover page or case narrative;
- technical holding times for analyses;
- reporting limits (RLs) compared to project-required RLs;
- data for method blanks, equipment blanks, and field blanks where applicable. Method blanks are used to assess potential contamination arising from laboratory sample preparation and/or analytical procedures. Equipment blanks and field blanks are used to assess potential contamination arising from field procedures;
- data for laboratory control and laboratory control duplicate samples (LCS/LCSDs). The LCS/LCSDs are used to assess the accuracy of the analytical method using a clean matrix;
- data for matrix spike and matrix spike duplicate samples (MS/MSDs), when performed on project samples. The MS/MSDs are used to assess the accuracy and precision of the analytical method using a sample from the dataset;
- data for isotopically labeled surrogates. Isotopically labeled surrogates determine the sample matrix effect on the recoveries of the analytes;
- data for laboratory duplicates, when performed on project samples. The laboratory duplicates are used to assess the precision of the analytical method using a sample from the dataset;
- data for blind field duplicates. Field duplicate samples are used to assess variability introduced by the sampling and analytical processes; and
- overall usability of the data.

All data was determined to usable for the purpose of this report. Data validation qualifiers assigned are listed in **Tables 2-5**.

## 5.2.2 Soil Results

Soil sample results are presented in **Table 2** and analytical results from equipment blank and field blank samples are presented in **Table 3**. Soil sample results are compared to NR 720 direct contact residual contaminant levels (RCLs) for the compounds for which they are established and



to calculated criteria for the protection of groundwater for the same compounds (**Table 2**). These compounds include perfluorooctanoic acid (PFOA), perfluorobutane sulfonic acid (PFBS), and perfluorooctane sulfonic acid (PFOS).

Numerical soil residual contaminant levels for protection of groundwater (GW-RCLs) were calculated using two methodologies: generic and site specific. Generic criteria were calculated for PFOA, PFBS, and PFOS using WDNR's guidance document PUB-RR-890 (WDNR, 2014) and the proposed NR 140 ESs for the respective PFAS. Site-specific GW-RCLs were calculated for PFOA and PFOS using GSI Environmental's Risk-Based Corrective Action (RBCA) Tool Kit for Chemical Releases, version 2.6 (GSI Environmental, 2013). Site-specific criteria were not calculated for PFBS as it was not detected in the soil at the Site. Documentation for the site-specific calculations is provided in Appendix E. The RBCA Tool Kit models leaching from impacted soils in the unsaturated zone into groundwater directly below the Site. The site-specific modeling was used to calculate soil criteria separately for three soil source areas - the AFFF testing area, western swale, and storm sewer outlet - based on the soil concentrations that would result in exceedances of the proposed ESs at the property boundary. Chemical-specific parameters relevant to the modeling are provided in **Table E.1**. Site-specific model input parameters, including hydraulic conductivity estimated from hydraulic conductivity tests, are provided in Table E.2. The modeled site-specific GW-RCLs for PFOS and PFOA (Table E.3) were greater than the soil saturation limits, which are at least six orders of magnitude greater than the generic GW-RCLs. Given the large discrepancy between the generic and site-specific GW-RCLs for PFOS and PFOA, a narrative assumption has been made that the actual GW-RCL for PFOS and PFOA is above the generic and below the site-specific criteria.

The PFAS compounds detected in soil samples at the highest concentrations were 8:2 fluorotelomer sulfonic acid (8:2 FTS) and 6:2 fluorotelomer sulfonic acid (6:2 FTS). The highest concentrations of 8:2 FTS were detected in the AFFF testing area (130 J ug/kg in SS-03 [0-1]), and the highest concentration of 6:2 FTS was detected in the stormwater outlet area (11 ug/kg in SB-01 [0-2]). Other perfluorocarboxylic and perfluorosulfonic acids were detected in soil, including PFOA and PFOS. The highest concentration of PFOA was detected in a sample from the western swale (6.5 ug/kg in SB-06 [0-1.5]) and the highest concentration of PFOS was detected in the septic mound area (0.75 ug/kg in SB-10 [2-4]).

In general, the highest PFAS concentrations detected in soil were in the AFFF testing area, followed by the stormwater outlet and drainage channel areas, the septic mound area, and the stormwater inlet area. PFAS were also detected at lower concentrations in the swale along the western fence line. Soil results indicate PFAS concentrations <1 ug/kg north and east of the AFFF testing area (SS-02, SB-15, SB-14, SB-08, and SB-09), along the southern fence line (SB-07), and around the edges of the stormwater inlet area (SB-03 and SB-05).

Soil sample results indicate PFOA and/or PFOS detected at concentrations between the generic and site-specific protection of GW-RCLs and below the NR 720 direct contact RCLs in the AFFF testing area, the septic mound area, the western swale, and the stormwater outlet and wooded drainage channel areas.

Soil sample detections for 8:2 FTS, PFOA, and PFOS are shown on **Figure 8**. Detections of 8:2 FTS are included to serve as an indicator of AFFF-impacted soil as the source, AFC-3A, can contain high concentrations of 8:2 FTS. Further, 8:2 FTS has the potential to degrade to terminal product perfluorocarboxylic acids, including PFOA.



Most soil samples were collected from shallow depths representative of surficial impacts (approximately 0-2 ft bgs). The depth of PFAS impacts to soil is not constrained in several areas, including the AFFF testing area, where deeper samples were not able to be collected due to the presence of utilities. In the stormwater drainage channel area where samples were collected from 0-2 ft bgs and 2-4 ft bgs from several borings, PFAS were detected in both sample depth ranges at concentrations above the generic groundwater pathway criteria, but concentrations were generally lower in the 2-4 ft bgs interval. The depth of PFAS impacts in soil are considered to be constrained by the depth to bedrock, which is generally shallow at the Site, as discussed in **Section 5.1.1**.

## 5.2.3 Stormwater Results

Stormwater sample results for the approximate first flush sample (A) and later (B) sample are presented in **Table 4**. PFAS standards for stormwater are not established in Wisconsin at this time. In general, the same PFAS compounds detected in stormwater were detected in both samples, but PFAS concentrations were generally higher in the later (B) sample, even though the concentration of total suspended solids was higher in the earlier (A) sample. The PFAS compounds detected at the highest concentrations were 8:2 FTS (180 ng/L) and 6:2 FTS (44 ng/L), with other PFAS including PFOS and several perfluorocarboxylic acids detected at concentrations up to 25 ng/L. This distribution of PFAS is similar to the distribution observed in soil samples collected in the AFFF testing area.

## 5.2.4 Groundwater Results

Groundwater results are summarized and compared to the proposed NR 140 standards in **Table 5**. March/May 2021 results are presented in **Figures 9 and 11** and July 2021 results are presented in **Figures 10, 12, and 13**. The PFAS compounds detected at the highest concentrations were 8:2 FTS and 6:2 fluorotelomer sulfonic acid (6:2 FTS) and the perfluorocarboxylic acids C4-C8 [perfluorobutanoic acid (PFBA,) perfluoropentanoic acid (PFPeA), perfluorohexanoic acid (PFHxA), perfluoroheptanoic acid (PFHpA), and PFOA]. The highest concentrations of PFAS were detected in the well in the AFFF testing area (MW-04) and the potable well, followed by the well in the northwest corner of the Site (MW-01) and the well on the eastern edge of the Site, southeast of the septic mound (MW-05), then the well along the western edge of the Site (MW-02). Packer interval sampling results from the on-site potable well indicate generally similar PFAS detections from 100 to approximately 200 ft bgs.

Wells in which PFAS concentrations exceeded the proposed NR 140 preventive action limits (PALs) or enforcement standards (ESs) include PW-01, MW-01, MW-02, MW-04, and MW-05. Select results for PFOA and perfluorononanoic acid (PFNA) exceeded the proposed NR 140 ESs, and select results for PFOA, PFNA, and PFOS exceeded the proposed NR 140 PALs. One or more PFAS compound was detected in MW-03, MW-06, MW-07, and PZ-01 at low concentrations (<10 ng/L) less than the proposed NR 140 PALs or ESs.

**Figures 11 and 12** depict forensic pie charts in which the size of the pie chart is scaled to the concentration of PFAS detected in each monitoring well. The distribution of PFAS in the pie charts are indicative of a second generation AFFF source. Second generation AFFFs are characterized by high ratios of 8:2 and 6:2 FTS and distributions of perfluorinated carboxylic acids C4 – C9.

**Figures 9 and 10** depict data for select PFAS compounds, including those that have exceeded the proposed NR 140 ESs or PALs (PFOA, PFNA, and PFOS) and indicator compounds for AFFF



impacts (8:2 FTS and 6:2 FTS). These indicator compounds are also sources of degradation to terminal products - perfluorocarboxylic acids C4 - C9. In every monitoring well where a PFAS compound was detected above the proposed ES, PFOA exceeded the ES by the highest ratio (detected concentration / ES). For this reason, PFOA is considered the PFAS of concern for delineation of PFAS in groundwater and PFOA isocontours are depicted on **Figures 9 and 10**.

PFOA results for soil and groundwater are shown on the cross-section **Figure 13**. Although the PFOA isocontours on **Figures 9 and 10** are shown as separate contours for three areas, it is possible that impacts in these areas may be overlapping or comingled.

Results for the deep production wells indicate only one PFAS detection in one well, at an estimated concentration less than the proposed NR 140 PAL. Results for the private well at 2304 Carpenter Swain Road indicate only one PFAS compound, PFBS, was detected at an estimated concentration less than the proposed NR 140 PAL.

## 5.3 Potential Groundwater Receptors

Potential off-Site impacts to water supply wells were evaluated within a 1,200 ft radius of the Site. The following properties were identified within this radius:

- The private residential well located at 2304 Carpenter Swain Road was identified as a potential groundwater receptor based on its downgradient location and proximity to the site (approximately 800 ft from the southeast corner of the Site). A groundwater sample was collected from this private well and sample results do not indicate impacts associated with the Site, as discussed in Section 5.2.4.
- A property with an apparent private residence is located approximately 1,100 ft southwest of the Site on Clear View Road. This property is not expected to be a potential receptor of groundwater impacts from the Site due to its side-gradient location relative to the Site.

## 5.4 Vapor

The investigated contaminants of concern do not pose a vapor pathway risk at Site due to the physical properties of the contaminants.

## 5.5 Emerging Contaminants

On August 17, 2020, the WDNR issued a letter to all Responsible Parties of open BRRTS sites as a reminder to include the evaluation of emerging contaminants PFAS and 1,4-dioxane in scoping site investigations. PFAS were evaluated as the primary focus of this site investigation.

1,4-Dioxane is a common concern at sites where certain chlorinated solvents (particularly 1,1,1-trichloroethane) have been released because of 1,4-dioxane's widespread use as a stabilizer for chlorinated solvents (USEPA, 2017). 1,4-Dioxane is not a component of or associated with AFFF and this investigation is solely concerned with a release of AFFF at the Site. Therefore, further investigation into 1,4-dioxane at the Site is not warranted.



# 6.0 Conclusions and Recommendations

## 6.1 Conclusions

PFAS have been detected in soil, stormwater, and groundwater samples collected as part of the site investigation. The highest PFAS concentrations detected in soil and groundwater are from samples collected in the AFFF testing area and the general distribution of PFAS is consistent with impacts from AFFF, although the distribution varies between individual sample locations and sample media.

Soil sample results indicate PFAS-impacted soil in the AFFF testing area, the septic mound area, the western swale, and the stormwater outlet and wooded drainage channel area. PFOA and/or PFOS have been detected in these areas at concentrations between the generic and site-specific groundwater pathway criteria and below the NR 720 direct contact RCLs. Infiltration pathways to groundwater and stormwater exist from PFAS-containing soil and WDNR has accepted an Interim Action Workplan to address soil at the Site.

Groundwater sample results indicate PFAS concentrations exceeding the proposed ES for PFOA and/or PFNA around the AFFF testing area, the storm sewer outlet area, and the septic system area. The downgradient extent of PFAS impacts in the AFFF testing area have been constrained at the water table by monitoring wells MW-06 and MW-03. PFAS results exceeding the proposed NR 140 standards have not been detected in the farm field south of the Site (MW-07), the deep production wells on Site, the piezometer (PZ-01), or the downgradient private well. Further investigation is needed to determine the degree and extent of the PFAS impacts to groundwater from the Site.

## 6.2 **Recommendations**

#### 6.2.1 Interim Actions

As described in the July 2021 Interim Action Workplan, proposed interim actions include:

- Capping of specific areas of the Site:
  - Installation of an asphalt cap in the AFFF inspection testing area (adjacent to the Fire Suppression System).
  - Installation of a geosynthetic cap in the drainage swale west of the AFFF inspection testing area.
- Abandoning the current potable well or installing a point of entry treatment (POET) system on the potable well to reduce PFAS concentrations to below the Cycle 10 and 11 proposed ES.
- Removal of the current septic system, excavation and off-site disposal of impacted soil at the existing septic mound, and installation of a relocated septic mound.
- Natural attenuation of the northwestern portion of the Site and the storm sewer outlet area.
- Consideration for a future interim action for groundwater extraction and treatment or monitored natural attenuation as part of a remedial action options report (RAOR).

RockGen Energy, LLC – Site Investigation Report RockGen Energy Center – Town of Christiana, Wisconsin



## 6.2.2 Supplemental Site Investigation

As described in the August 2021 Supplemental SIWP, up to nine multiport wells are proposed to be installed to further define the horizontal and vertical extent of PFAS in groundwater and to characterize groundwater flow direction and vertical gradient. Continued sampling of the existing well network, as scoped in the April 2021 SIWP, is also recommended. The findings of the supplemental investigation will be used to determine if additional investigation and/or remediation are needed.



## 7.0 References

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#### Table 1: Groundwater Elevations RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

Well	MW-01 MW-02		Ν	MW-03		MW-04		MW-05		/W-06	MW-07		PZ-01							
Top of Casing Elevation (ft amsl)	si) 930.73		ç	941.55		942.03	ę	943.25		945.48		941.84	941.63		944.95					
Ground Surface Elevation (ft amsl)	928.28 938.8		938.88	939.53		940.77		942.92		939.40		939.14		942.57						
Top of Screen Elevation (ft amsl)	n Elevation (ft amsl) 893.7			891.4		889.9		891.1		889.4		889.5	890.7		652.6					
Bottom of Screen Elevation (ft amsl)		878.7		881.4		881.4		874.9		876.1	874.4		874.5		874.5			875.7	642.6	
Screen Length (ft)	15 10		10	15		15		15		15		15		10						
Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)																		
5/17/2021	44.88	885.85	56.77	884.78	57.92	884.11	58.45	884.80	60.95	884.53	57.44	884.40	57.45	884.18						
5/27/2021	45.37	885.36	57.15	884.40	58.32	883.71	58.82	884.43	61.41	884.07	57.77	884.07	58.04	883.59						
7/14/2021	44.98	885.75	56.83	884.72	58.04	883.99	58.52	884.73	60.98	884.50	57.67	884.17	58.30	883.33	99.97	844.98				

Notes:

Elevations measurements are relative to NAVD 88 datum.

ft btoc = feet below top of casing

ft amsl = feet above mean sea level

Prepared by: L. Auner, 5/27/2021 Checked by: S. Sellwood, 5/27/2021 Updated by: W. Braga/L. Auner 7/21/21 Checked by: A. Enright 7/29/2021

Sample Point Type			ND 720				Soil Borings								
	Sample L	ocation ID	Direct Contact RCLs <sup>(1)</sup>		Groun Pathway	Pathway Criteria		SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09
	Sar	ple Depth					0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft	0 - 1.5 ft	0 - 2 ft	0 - 2 ft	0 - 2 ft
	Sar	ple Depth	1				04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021
			1				Gravel in Siltv	Gravel in Siltv							
		Soil Types					Clay, Silty	Clay, Clayev	Gravel in Siltv	Gravel in Siltv	Gravel in Siltv	Silt	Silt	Silt	Silt
	(G	eneralized	Non-			Site-	Clav	Silt	Sand	Sand	Sand	Sandy Clav	Sandy Clav	Sandy Clay	Sandy Clay
CAS RN	Constituent	Units	Industrial	Industrial	Generic <sup>(2)</sup>	Specific <sup>(3)</sup>							jj		
Carboxvlic Ac	ids														
375-22-4	Perfluorobutanoic acid (PFBA)	ug/kg	-	-	-	-	0.39	0.23	< 0.027	< 0.028	< 0.029	0.38	0.13 J	0.14 J	0.23
2706-90-3	Perfluoropentanoic acid (PFPeA)	ug/kg	-	-	-	-	1.7	0.99	< 0.075	< 0.078	< 0.080	1.1	< 0.089	< 0.090	0.091 J
307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	-	-	-	-	0.73	0.98	0.041 J	0.084 J	< 0.044	0.72	< 0.049	< 0.049	0.089 J
375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	-	-	-	-	0.92	0.71	0.046 J	0.054 J	0.043 J	2.2	0.034 J	< 0.034	0.067 J
335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	1,260	16,400	0.61	>710,000	1.3	2.6	0.10 J	0.14 J	< 0.090	6.5	< 0.10	< 0.10	< 0.096
375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	-	-	-	-	0.64	0.49	< 0.035	0.037 J	< 0.038	6.3	0.043 J	< 0.042	< 0.040
335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	-	-	-	-	0.95	0.70	< 0.022	0.13 J	< 0.023	0.29	< 0.025	< 0.026	< 0.025
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ug/kg	-	-	-	-	0.84	0.23	< 0.035	0.040 J	< 0.038	< 0.040	< 0.042	< 0.042	< 0.040
307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	-	-	-	-	0.86	0.53	< 0.066	< 0.068	< 0.070	< 0.075	< 0.078	< 0.078	< 0.075
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ug/kg	-	-	-	-	0.23	0.19 J	< 0.050	< 0.052	< 0.053	< 0.057	< 0.059	< 0.059	< 0.057
376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	-	-	-	-	0.30	0.29	< 0.053	< 0.055	< 0.056	< 0.060	< 0.063	< 0.063	< 0.061
Sulfonic Acids								-							-
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ug/kg	1,260,000	16,400,000	130	-	< 0.028	< 0.027	< 0.024	< 0.025	< 0.026	< 0.028	< 0.029	< 0.029	< 0.028
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ug/kg	-	-	-	-	< 0.022	< 0.022	< 0.020	< 0.020	< 0.021	< 0.022	< 0.023	< 0.023	< 0.022
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ug/kg	-	-	-	-	< 0.034	< 0.034	< 0.030	< 0.031	< 0.032	< 0.035	< 0.036	< 0.036	< 0.035
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	-	-	-	-	< 0.039	< 0.038	< 0.034	< 0.035	< 0.037	< 0.039	< 0.041	< 0.041	< 0.039
1/63-23-1	Perfluorooctane sultonic acid (PFOS)	ug/kg	1,260	16,400	0.038	>170,000	< 0.22	< 0.22	< 0.20	< 0.20	< 0.21	0.23 JI	< 0.23	< 0.23	< 0.22
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ug/kg	-	-	-	-	< 0.022	< 0.022	< 0.020	< 0.020	< 0.021	< 0.022	< 0.023	< 0.023	< 0.022
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ug/kg	-	-	-	-	< 0.043	< 0.043	< 0.038	< 0.039	< 0.041	< 0.044	< 0.045	< 0.045	< 0.044
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ug/kg	-	-	-	-	< 0.066	< 0.066	< 0.059	< 0.061	< 0.063	< 0.067	< 0.069	< 0.070	< 0.067
75/124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ug/kg	-	-	-	-	< 0.41	< 0.41	< 0.36	< 0.37	< 0.39	< 0.41	< 0.43	< 0.43	< 0.41
27619-97-2	6:2 Fluoroteiomer sulfonic acid (6:2 FTS)	ug/kg	-	-	-	-	3.1	11	< 0.15	0.90 J	< 0.16	< 0.17	< 0.17	< 0.17	< 0.17
39108-34-4	8:2 Fluoroteiomer sultonic acid (8:2 FTS)	ug/kg	-	-	-	-	20	45	< 0.24	30	< 0.26	0.30 J	< 0.29	< 0.29	< 0.28
Sulfonamides,	Suitomidoacetic acids, Suitonamidoetnanois	ug/kg	1	1	1	1	< 0.001	< 0.000	< 0.000	< 0.002	< 0.096	< 0.002	< 0.005	< 0.006	< 0.002
754-91-0	N Methylperfluereetene sulfenemide (NMeEOSA)	ug/kg	-	-	-	-	< 0.091	< 0.090	< 0.060	< 0.003	< 0.000	< 0.092	< 0.095	< 0.090	< 0.092
31500-32-0	N-Methylperfluereestane sulfenamide (NEtEOSA)	ug/kg	-	-	-	-	< 0.045	< 0.045	< 0.040	< 0.041	< 0.045	< 0.040	< 0.047	< 0.040	< 0.040
2255 21 0	N-Ethyperhuolooctarie suitoriamide (NELFOSA)	ug/kg	-	-	-	-	< 0.020	< 0.020	< 0.023	< 0.024	< 0.025	< 0.027	< 0.020	< 0.020	< 0.027
2001-50-6	N-Methyl perfluorooctane sulfonamido acetic acid (NEtEOSAA)	ug/kg	-	-	-	-	< 0.43	< 0.43	< 0.36	< 0.39	< 0.39	< 0.44	< 0.43	< 0.43	< 0.44
2331-30-0	N Methyl perfluorooctane sulfonamido ethanol (NMEEOSE)	ug/kg	-	-	-	-	< 0.41	< 0.41	< 0.060	< 0.072	< 0.03	< 0.41	< 0.082	< 0.083	< 0.080
1601_00_2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtEOSE)	ug/kg	-		-	-	< 0.070	< 0.070	< 0.005	< 0.072	< 0.074	< 0.079	< 0.002	< 0.003	< 0.000
Replacement (	Nomicale	чулу	-	-	-	-	<ul><li>○.040</li></ul>	~ U.UHU	- 0.000	~ 0.000	~ 0.000	<ul><li>○.040</li></ul>	> U.U4Z	> U.U+∠	S 0.040
13252_13_6	Perfluoro_2-methyl_3-oxabexanoic acid (HEPO_DA)	ua/ka	_	-	_	_	< 0.12	< 0.12	< 0.11	< 0.11	< 0.11	< 0.12	< 0.13	< 0.13	< 0.12
919005-14-4	4 8-Dioxa-3H-perfluorononanoic acid (DONA)	ug/kg	_	_	-	-	< 0.12	< 0.020	< 0.018	< 0.018	< 0.010	< 0.12	< 0.10	< 0.10	< 0.020
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CL-PF3ONS)	ug/kg	-	-	-	-	< 0.020	< 0.020	< 0.076	< 0.010	< 0.013	< 0.020	< 0.021	< 0.021	< 0.020
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PE3OUdS)	ug/kg	-	-	-	-	< 0.024	< 0.024	< 0.022	< 0.022	< 0.023	< 0.025	< 0.025	< 0.026	< 0.025
100001-02-9		uging	_	-	-	-	- 0.027	- U.ULT	- 0.022	- 0.022	- 0.020	- 0.020	- 0.020	- 0.020	- 0.020

Notes:

CAS RN = Chemical Abstract Service Registry Number

ug/kg = micrograms per kilogram (ppb)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

J+ = Estimated concentration with a potential high bias

I = Value is EMPC (estimated maximum possible concentration).

Bold = Meets or exceeds NR 720 Industrial or Non-Industrial Direct Contact RCL

Italic = Meets or exceeds Protection of Groundwater Generic Screening Level

> = greater than soil saturation limit

#### Footnotes:

<sup>(1)</sup> NR 720 RCLs taken from WDNR RCL spreadsheet (December 2018 update), in which RCLs are calculated using default exposure assumptions listed in NR 720.12(3). RCLs are calculated using default exposure assumptions listed in NR 720.12(3).

<sup>(2)</sup> Generic groundwater pathway criteria calculated using WDNR guidance document PUB-RR-890.

<sup>(3)</sup> Site-specific groundwater pathway criteria calculated using GSI's RBCA Tool Kit for Chemical Releases, Version 2.6.

	Samp	e Point Type	ND 700					Soil Borings							
	Sample	Location ID	Direct Cont	720 tact RCLs <sup>(1)</sup>	Groun Pathway	dwater / Criteria	SB-10	SB-10	SB-11	SB-12	SB-13	SB-13	SB-14	SB-15	SB-16
	S	ample Depth	2				2 - 4 ft	75-95ft	2 - 4 ft	2 - 4 ft	2 25 - 4 ft	9 - 11 ft	0 - 4 ft	0 - 2 ft	0 - 2 ft
	•	Sample Date					04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/20/2021	04/21/2021	04/21/2021
		oumpie Dute					04/20/2021	Gravelly Silty	0-1/20/2021	0-1/20/2021	04/20/2021	04/20/2021	Gravelly Silty	04/21/2021	04/21/2021
							Crovel Sand	Sand Silty	Sandy Clay	Sandy Clay	Sand Sandy	Cilty	Sand Silty		
		Soli Types	Non			Site-	Silty Clay	Gravel	Sality Clay,	Sanuy Clay,	Clay	Gravel	Gravel	Gravelly Silly	Sond
	Constituent		Inductrial	Inductrial	Gaparia <sup>(2)</sup>	Specific <sup>(3)</sup>	Silty Ciay	Glavel	Silly Clay	Silly Clay	Ciay	Glavel	Glaver	Sanu	Sanu
	ide	Units	industrial	industrial	Generic	Specific									
375-22-4	Perfluorobutanoic acid (PEBA)	ua/ka	_	_		_	0 17 1	< 0.029	0.80	0.52	0 13 1	0.034 1	< 0.028	< 0.029	< 0.030
2706-90-3	Perfluoropentanoic acid (PEPeA)	ug/kg	_	_	_	-	0.60	0.11.1	2.2	12	0.100	0.004.0	< 0.020	< 0.023	< 0.083
307-24-4	Perfluorohexanoic acid (PEHxA)	ug/kg	_	_	-	-	0.57	0.110	1.0	0.64	0.00	0.14.1	< 0.043	< 0.044	0.064.1
375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	-	_	-	-	1.1	0.34	1.0	0.40	0.25	0.085 J	< 0.029	< 0.030	0.044 J
335-67-1	Perfluorooctanoic acid (PFOA)	ua/ka	1.260	16.400	0.61	>710.000	4.0	1.7	1.0	0.17 J	0.52	0.29	< 0.087	< 0.090	0.099 J
375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	-	-	-	-	1.4	0.95	0.065 J	< 0.043	0.35	0.18 J	< 0.037	0.040 J	0.042 J
335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	-	-	-	-	1.5	0.51	< 0.026	< 0.027	0.90	1.1	0.043 J	< 0.023	0.12 J
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ug/kg	-	-	-	-	0.40	< 0.037	< 0.042	< 0.043	0.28	< 0.039	< 0.037	< 0.038	0.11 J
307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	-	-	-	-	0.47	< 0.069	< 0.079	< 0.081	1.0	< 0.072	< 0.068	< 0.070	0.20 J
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ug/kg	-	-	-	-	0.058 J	< 0.052	< 0.060	< 0.061	0.12 J	< 0.055	< 0.052	< 0.053	0.081 J
376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	-	-	-	-	< 0.059	< 0.055	< 0.063	< 0.065	0.24	< 0.058	< 0.055	< 0.057	0.13 J
Sulfonic Acids	5														
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ug/kg	1,260,000	16,400,000	130	-	< 0.027	< 0.026	< 0.029	< 0.030	< 0.029	< 0.027	< 0.025	< 0.026	< 0.027
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ug/kg	-	-	-	-	< 0.022	< 0.021	< 0.023	< 0.024	< 0.023	< 0.021	< 0.020	< 0.021	< 0.021
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ug/kg	-	-	-	-	< 0.034	< 0.032	< 0.036	< 0.037	< 0.036	< 0.033	< 0.032	< 0.032	< 0.033
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	-	-	-	-	< 0.038	< 0.036	< 0.041	< 0.042	< 0.040	< 0.038	< 0.036	< 0.037	< 0.038
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ug/kg	1,260	16,400	0.038	>170,000	0.75	0.28 J	< 0.23	< 0.24	< 0.23	< 0.21	< 0.20	< 0.21	< 0.21
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ug/kg	-	-	-	-	< 0.022	< 0.021	< 0.023	< 0.024	< 0.023	< 0.021	< 0.020	< 0.021	< 0.021
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ug/kg	-	-	-	-	0.12 J	< 0.040	< 0.046	< 0.047	0.18 J	< 0.042	< 0.040	< 0.041	< 0.042
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ug/kg	-	-	-	-	< 0.065	< 0.062	< 0.070	< 0.072	< 0.069	< 0.064	< 0.061	< 0.063	< 0.064
/5/124-/2-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ug/kg	-	-	-	-	< 0.40	< 0.38	< 0.43	< 0.45	< 0.43	< 0.40	< 0.38	< 0.39	< 0.40
2/619-9/-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/kg	-	-	-	-	6.5	2.5	< 0.18	< 0.18	2.2 J	0.70 J	< 0.15	< 0.16	0.30 J
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/kg	-	-	-	-	44	28	< 0.29	< 0.30	3.0	1/	< 0.25	< 0.26	5.0
Sulfonamides	, Sulfomidoacetic acids, Sulfonamidoethanols				1		10.000	10.004	1.0.000	10.000	10.005	10.000	10.000	10.000	10.000
754-91-6	Periluorooctane suitonamide (PFOSA)	ug/kg	-	-	-	-	< 0.089	< 0.084	< 0.096	< 0.099	< 0.095	< 0.088	< 0.083	< 0.086	< 0.088
31300-32-8	N Ethylperfluoroociane sulfonamide (NIMEFOSA)	ug/kg	-	-	-	-	< 0.044	< 0.042	< 0.048	< 0.049	< 0.047	< 0.044	< 0.042	< 0.043	< 0.044
4101-00-2 0055 01 0	N Methyl perflueresetens sulfenemide sectio soid (NMoEOSAA)	ug/kg	-	-	-	-	< 0.020	< 0.025	< 0.020	< 0.029	< 0.020	< 0.020	< 0.024	< 0.025	< 0.020
2001 50 6	N Ethyl perfluereestane sulfenemide sectio soid (NEtEOSAA)	ug/kg	-	-	-	-	< 0.42	< 0.40	< 0.40	< 0.47	< 0.45	< 0.42	< 0.40	< 0.41	< 0.42
2991-50-0	N Methyl perfuereestene sulfenemide ethenel (NMeEOSE)	ug/kg	-	-	-	-	< 0.40	< 0.073	< 0.43	< 0.45	< 0.092	< 0.40	< 0.072	< 0.39	< 0.40
1601 00 2	N Ethyl perfluereestene sulfenemideethanel (NEtEOSE)	ug/kg	-	-	-	-	< 0.077	< 0.073	< 0.083	< 0.080	< 0.082	< 0.070	< 0.072	< 0.074	< 0.070
Poplacament		uy/Ky	-	-	-	-	< 0.059	< 0.037	< U.U4Z	< U.U43	<ul><li>&gt; 0.04∠</li></ul>	< 0.039	< 0.037	< 0.030	< 0.039
13252-13-6	Perfluoro-2-methyl-3-oxabexanoic acid (HEPO-DA)	ua/ka	_	-	_	_	< 0.12	< 0.11	< 0.12	< 0.13	< 0.13	< 0.12	< 0.11	< 0.12	< 0.12
919005-14-4	4 8-Dioya-3H-perfluoropopapoie acid (DONA)		-		-	-	< 0.020	< 0.018	< 0.13	< 0.022	< 0.13	< 0.12	< 0.018	< 0.12	< 0.12
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CL-PE3ONS)	ug/kg	-	-	-	-	< 0.020	< 0.010	< 0.021	< 0.022	< 0.021	< 0.019	< 0.010	< 0.013	< 0.013
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CL-PE3OUd9		-	-	-	-	< 0.020	< 0.023	< 0.026	< 0.027	< 0.025	< 0.020	< 0.022	< 0.023	< 0.020
1 0000 1-02-0		, ug/ng	-	-	-	-	- U.UZT	- 0.020	- 0.020	- U.UZI	.0.020	· U.UZT	- 0.022	0.020	- U.ULT

Notes:

CAS RN = Chemical Abstract Service Registry Number

ug/kg = micrograms per kilogram (ppb)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

J+ = Estimated concentration with a potential high bias

I = Value is EMPC (estimated maximum possible concentration).

Bold = Meets or exceeds NR 720 Industrial or Non-Industrial Direct Contact RCL

*Italic* = Meets or exceeds Protection of Groundwater Generic Screening Level

> = greater than soil saturation limit

#### Footnotes:

(1) NR 720 RCLs taken from WDNR RCL spreadsheet (December 2018 update), in which RCLs are calculated using default exposure assumptions listed in NR 720.12(3). RCLs are calculated using default exposure assumptions listed in NR 720.12(3).

<sup>(2)</sup> Generic groundwater pathway criteria calculated using WDNR guidance document PUB-RR-890.

<sup>(3)</sup> Site-specific groundwater pathway criteria calculated using GSI's RBCA Tool Kit for Chemical Releases, Version 2.6.

Sample Point Type		ND 720				Soil Borings									
	Sample Lo	Sample Location I		Direct Contact RCLs <sup>(1)</sup>		Pathway Criteria		SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-23	SB-24
	Sam	ple Depth					0 - 1.5 ft	0 - 1 ft	0 - 1.75 ft	0 - 2 ft	0 - 0.9 ft	0 - 2 ft	0 - 2 ft	2 - 3.75 ft	0 - 2 ft
	Sar	nple Date	]				05/10/2021	05/10/2021	05/10/2021	05/10/2021	05/10/2021	05/10/2021	05/10/2021	05/10/2021	05/10/2021
CAS PN	S (Ger	oil Types neralized)	Non-	Industrial	Generic <sup>(2)</sup>	Site-	Clay	Clay	Silt	Silt, Clay	Clay	Silt, Clay	Clay	Clay, Sandy Clay	Clay
Carboxylic Ac	ide	induotinai	induotinai	Concilio	opeenie										
375-22-4	Perfluorobutanoic acid (PEBA)	ua/ka	-	-	-	-	0.34	0.38	0.20.1	0.16.1	0.15.1	0.21	0.82	0.30	1.6
2706-90-3	Perfluoropentanoic acid (PEPeA)	ug/kg	-	-	_	-	0.63	0.83	0.23	< 0.089	0.100	0.24	2.6	12	3.4
307-24-4	Perfluorohexanoic acid (PEHxA)	ug/kg	-	-	-	-	0.36	0.51	0.19.1	0.066.1	0.17.1	0.19.1	0.68	0.33	11
375-85-9	Perfluoroheptanoic acid (PFHpA)	ua/ka	-	-	-	-	0.59	0.93	0.24	0.075 J	0.20 J	0.27	1.3	0.50	1.2
335-67-1	Perfluorooctanoic acid (PFOA)	ua/ka	1.260	16.400	0.61	>710.000	1.2	2.8	0.36	0.11 J	0.30	0.40	1.4	0.66	3.3
375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	-	-	-	-	0.83	4.1	0.19 J	0.072 J	0.15 J	0.33	0.89	0.48	0.86
335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	-	-	-	-	0.051 J	0.58	0.039 J	< 0.025	< 0.027	0.043 J	0.44	0.17 J	0.14 J
2058-94-8	Perfluoroundecanoic acid (PFÚnA)	ug/kg	-	-	-	-	< 0.043	0.15 J	< 0.038	< 0.041	< 0.044	< 0.037	0.18 J	< 0.042	0.059 J
307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	-	-	-	-	< 0.080	< 0.077	< 0.072	< 0.077	< 0.082	< 0.068	0.11 J	< 0.078	< 0.080
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ug/kg	-	-	-	-	< 0.061	< 0.059	< 0.055	< 0.059	< 0.062	< 0.052	< 0.062	< 0.059	< 0.061
376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	-	-	-	-	< 0.064	< 0.062	< 0.058	< 0.062	< 0.066	< 0.055	< 0.066	< 0.063	< 0.065
Sulfonic Acids															
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ug/kg	1,260,000	16,400,000	130	-	< 0.030	< 0.029	< 0.027	< 0.029	< 0.031	< 0.026	< 0.031	< 0.029	< 0.030
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ug/kg	-	-	-	-	< 0.024	< 0.023	< 0.021	< 0.023	< 0.024	< 0.020	< 0.024	< 0.023	< 0.024
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ug/kg	-	-	-	-	< 0.037	< 0.036	< 0.033	< 0.036	< 0.038	< 0.032	< 0.038	< 0.036	< 0.037
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	-	-	-	-	< 0.042	< 0.040	< 0.037	< 0.040	< 0.043	< 0.036	< 0.043	< 0.041	< 0.042
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ug/kg	1,260	16,400	0.038	>170,000	< 0.24	< 0.23	< 0.21	< 0.23	< 0.24	< 0.20	< 0.24	< 0.23	< 0.24
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ug/kg	-	-	-	-	< 0.024	< 0.023	< 0.021	< 0.023	< 0.024	< 0.020	< 0.024	< 0.023	< 0.024
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ug/kg	-	-	-	-	< 0.047	< 0.045	< 0.042	< 0.045	< 0.048	< 0.040	< 0.048	< 0.045	< 0.047
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ug/kg	-	-	-	-	< 0.072	< 0.069	< 0.064	< 0.069	< 0.073	< 0.061	< 0.073	< 0.070	< 0.072
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ug/kg	-	-	-	-	< 0.44	< 0.43	< 0.40	< 0.43	< 0.45	< 0.38	< 0.45	< 0.43	< 0.44
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/kg	-	-	-	-	< 0.18	0.17 J	< 0.16	< 0.17	< 0.18	< 0.15	1.5 J	0.29 J	< 0.18
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/kg	-	-	-	-	0.69 J	7.1	< 0.27	< 0.29	< 0.31	< 0.26	14	1.2 J	2.0 J
Sulfonamides,	Sulfomidoacetic acids, Sulfonamidoethanols														
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ug/kg	-	-	-	-	< 0.098	< 0.094	< 0.088	< 0.094	< 0.10	< 0.084	< 0.10	< 0.095	< 0.098
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ug/kg	-	-	-	-	< 0.049	< 0.047	< 0.044	< 0.047	< 0.050	< 0.042	< 0.050	< 0.048	< 0.049
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ug/kg	-	-	-	-	< 0.029	< 0.028	< 0.026	< 0.028	< 0.029	< 0.025	< 0.029	< 0.028	< 0.029
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	ug/kg	-	-	-	-	< 0.47	< 0.45	< 0.42	< 0.45	< 0.48	< 0.40	< 0.48	< 0.45	< 0.47
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	ug/kg	-	-	-	-	< 0.44	< 0.43	< 0.40	< 0.43	< 0.45	< 0.38	< 0.45	< 0.43	< 0.44
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	ug/kg	-	-	-	-	< 0.085	< 0.082	< 0.076	< 0.082	< 0.087	< 0.073	< 0.087	< 0.083	< 0.085
1691-99-2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ug/kg	-	-	-	-	< 0.043	< 0.041	< 0.038	< 0.041	< 0.044	< 0.037	< 0.044	< 0.042	< 0.043
13252-13-6	Pertluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	ug/kg	-	-	-	-	< 0.13	< 0.13	< 0.12	< 0.13	< 0.13	< 0.11	< 0.13	< 0.13	< 0.13
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ug/kg	-	-	-	-	< 0.021	< 0.021	< 0.019	< 0.021	< 0.022	< 0.018	< 0.022	< 0.021	< 0.022
/56426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ug/kg	-	-	-	-	< 0.032	< 0.031	< 0.029	< 0.031	< 0.033	< 0.028	< 0.033	< 0.031	< 0.032
/63051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ug/kg	-	-	-	-	< 0.026	< 0.025	< 0.024	< 0.025	< 0.027	< 0.022	< 0.027	< 0.026	< 0.026

Notes:

CAS RN = Chemical Abstract Service Registry Number

ug/kg = micrograms per kilogram (ppb)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

J+ = Estimated concentration with a potential high bias

I = Value is EMPC (estimated maximum possible concentration).

Bold = Meets or exceeds NR 720 Industrial or Non-Industrial Direct Contact RCL

Italic = Meets or exceeds Protection of Groundwater Generic Screening Level

> = greater than soil saturation limit

#### Footnotes:

<sup>(1)</sup> NR 720 RCLs taken from WDNR RCL spreadsheet (December 2018 update), in which RCLs are calculated using default exposure assumptions listed in NR 720.12(3). RCLs are calculated using default exposure assumptions listed in NR 720.12(3).

<sup>(2)</sup> Generic groundwater pathway criteria calculated using WDNR guidance document PUB-RR-890.

<sup>(3)</sup> Site-specific groundwater pathway criteria calculated using GSI's RBCA Tool Kit for Chemical Releases, Version 2.6.

	Sample	NR 720		Groundwator			Soil B	orings		Surficial Soil Samples				
	Sample	Sample Location ID			Pathway Criteria		SB-24	SB-25	SB-25	SB-26	SS-01	SS-02	SS-03	SS-04
	Si	ample Depth	2				2 - 4 ft	0 - 2 ft	2 - 4 ft	0 - 2 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft
		Sample Date					05/10/2021	05/11/2021	05/11/2021	05/11/2021	04/21/2021	04/21/2021	04/21/2021	05/11/2021
		oumpie Dute					00/10/2021	00/11/2021	00/11/2021	00/11/2021	0 1/2 1/2021	0 1/2 1/2021	0 1/2 1/2021	00/11/2021
		Soil Types							Clay Sandy		Silty	Silty	Silty	
	(	Generalized)	Non-			Site-	Clay	Clay	Clay, Sand	Clay	Gravel	Gravel	Gravel	Clay
CAS RN	Constituent	Units	Industrial	Industrial	Generic <sup>(2)</sup>	Specific <sup>(3)</sup>	Cidy	Cidy	Clay, Carlo	Cidy	Olavei	Olavei	Olavei	Ciay
	ide	onito	maastnar	maastnar	Generie	Opeenie								
375-22-4	Perfluorobutanoic acid (PEBA)	ua/ka	_	-	-	-	0.33	1.5	0.76	1 1	< 0.027	< 0.029	0.048.1	1.5
2706-90-3	Perfluoropentanoic acid (PEPeA)	ug/kg	-	-	-	_	1.4	2.7	1.7	2.5	0.16 J	< 0.079	0.12 J	2.7
307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	-	-	_	_	0.35	1.0	0.61	0.80	0.23	< 0.043	0.32 J	1.3
375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	-	-	-	-	0.55	1.3	0.68	1.8	0.30	< 0.030	0.099 J	3.4
335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	1,260	16,400	0.61	>710,000	0.73	3.6	1.3 J+	2.7	0.65	< 0.088	0.49 J	4.8
375-95-1	Perfluorononanoic acid (PFNÁ)	ug/kg	-	-	-	-	0.48	1.8	0.38	3.0	0.13 J	< 0.037	0.13 J	3.6
335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	-	-	-	-	0.20 J	0.30	0.040 J	1.2	0.22	< 0.022	0.60 J	2.1
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ug/kg	-	-	-	-	< 0.044	0.12 J	< 0.040	0.64	< 0.035	< 0.037	0.31 J	1.7
307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	-	-	-	-	< 0.081	< 0.072	< 0.074	0.17 J	< 0.065	< 0.068	0.22 J	0.87
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ug/kg	-	-	-	-	< 0.062	< 0.055	< 0.057	< 0.063	< 0.050	< 0.052	< 0.052	0.19 J
376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	-	-	-	-	< 0.066	< 0.058	< 0.060	< 0.067	< 0.052	< 0.055	0.12 J	0.15 J
Sulfonic Acid	S													
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ug/kg	1,260,000	16,400,000	130	-	< 0.030	< 0.027	< 0.028	< 0.031	< 0.024	< 0.026	< 0.025	< 0.033
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ug/kg	-	-	-	-	< 0.024	< 0.022	< 0.022	< 0.025	< 0.019	< 0.020	< 0.020	< 0.027
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ug/kg	-	-	-	-	< 0.038	< 0.033	< 0.034	< 0.038	< 0.030	< 0.032	< 0.032	< 0.041
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ug/kg	-	-	-	-	< 0.043	< 0.038	< 0.039	< 0.043	< 0.034	< 0.036	< 0.036	< 0.047
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ug/kg	1,260	16,400	0.038	>170,000	< 0.24	0.25 J	< 0.22	0.48 JI	< 0.19	< 0.20	< 0.20	0.42 JI
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ug/kg	-	-	-	-	< 0.024	< 0.022	< 0.022	< 0.025	< 0.019	< 0.020	< 0.020	< 0.027
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ug/kg	-	-	-	-	< 0.047	< 0.042	< 0.043	< 0.048	< 0.038	< 0.040	< 0.040	< 0.052
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ug/kg	-	-	-	-	< 0.073	< 0.065	< 0.067	< 0.074	< 0.058	< 0.061	< 0.061	< 0.080
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ug/kg	-	-	-	-	< 0.45	< 0.40	< 0.41	< 0.46	< 0.36	< 0.38	< 0.38	< 0.49
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ug/kg	-	-	-	-	0.30 J	0.28 J	< 0.17	1.4 J	5.5	< 0.15	7.2 J	0.38 J
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ug/kg	-	-	-	-	1.1 J	4.4	< 0.28	22	74	< 0.26	130 J	5.3
Sulfonamides	, Sulfomidoacetic acids, Sulfonamidoethanols	"												
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ug/kg	-	-	-	-	< 0.10	< 0.088	< 0.091	< 0.10	< 0.080	< 0.084	< 0.083	< 0.11
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ug/kg	-	-	-	-	< 0.050	< 0.044	< 0.046	< 0.051	< 0.040	< 0.042	< 0.042	< 0.055
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ug/kg	-	-	-	-	< 0.029	< 0.026	< 0.027	< 0.030	< 0.023	< 0.024	< 0.024	< 0.032
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	ug/kg	-	-	-	-	< 0.47	< 0.42	< 0.43	< 0.48	< 0.38	< 0.40	< 0.40	< 0.52
2991-50-6	N-Etnyl perfluorooctane sulfonamido acetic acid (NETFOSAA)	ug/kg	-	-	-	-	< 0.45	< 0.40	< 0.41	< 0.46	< 0.36	< 0.38	< 0.38	< 0.49
24448-09-7	IN-INICITIYI PERTUOPOOCTANE SUITONAMIDO ETNANOI (NIMEFOSE)	ug/kg	-	-	-	-	< 0.086	< 0.077	< 0.079	< 0.088	< 0.069	< 0.072	< 0.072	< 0.095
1691-99-2	IN-Etnyi periluorooctane sulfonamidoetnanoi (NETFUSE)	ug/kg	-	-	-	-	< 0.044	< 0.039	< 0.040	< 0.045	< 0.035	< 0.037	< 0.037	< 0.048
Replacement				1			< 0.40	< 0.40	< 0.40	< 0.4.4	< 0.44	< 0.44	< 0.4.4	
13252-13-0	A 9 Diava 2U portugrananana acid (DONA)	ug/Kg	-	-	-	-	< 0.13	< 0.12	< 0.12	< 0.14	< 0.11	< 0.11	< 0.11	< 0.15
519000-14-4	4,0-DIOXa-SH-PETINOTOHONONOHONO COLO (DONA)	ug/kg	-	-	-	-	< 0.022	< 0.019	< 0.020	< 0.022	< 0.017	< 0.028	< 0.018	< 0.024
762051 02 0	14. Chloropiopoofluoro 2 ovoundopono 1 outronic acid (9CI-PF3ONS)	ug/Kg	-	-	-	-	< 0.033	< 0.029	< 0.030	< 0.033	< 0.020	< 0.020	< 0.027	< 0.030
103031-92-9	The more residuario - 3-oxaundecane-1-sultonic acid (TTCI-PF300dS	, ug/кg	-	-	-	-	< U.UZ/	< U.UZ4	< 0.024	< U.UZ/	< U.UZ1	< U.UZZ	< U.UZZ	< 0.029

Notes:

CAS RN = Chemical Abstract Service Registry Number

ug/kg = micrograms per kilogram (ppb)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

J+ = Estimated concentration with a potential high bias

I = Value is EMPC (estimated maximum possible concentration).

Bold = Meets or exceeds NR 720 Industrial or Non-Industrial Direct Contact RCL

Italic = Meets or exceeds Protection of Groundwater Generic Screening Level

> = greater than soil saturation limit

#### Footnotes:

<sup>(1)</sup> NR 720 RCLs taken from WDNR RCL spreadsheet (December 2018 update), in which RCLs are calculated using default exposure assumptions listed in NR 720.12(3). RCLs are calculated using default exposure assumptions listed in NR 720.12(3).

<sup>(2)</sup> Generic groundwater pathway criteria calculated using WDNR guidance document PUB-RR-890.

<sup>(3)</sup> Site-specific groundwater pathway criteria calculated using GSI's RBCA Tool Kit for Chemical Releases, Version 2.6.

Prepared by: P. Popp, 7/14/2021

Checked and revised by: L. Auner, 7/15/2021 Checked by: J. Ramey, 7/16/2021 Revised by: L. Auner, 8/4/2021 Checked by: T. Tabbert, 8/5/2021
## Table 3: Blank Sample Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

	Sa	mple Type	EQ_BLANK							
		Sample ID	EB-01-202104	EB-02-202104	EB-03-202104	EB-04-202104	EB-05-202104	EB-06-202105	EB-07-202105	EB-08-202105
	Si	ample Date	04/20/2021	04/20/2021	04/21/2021	04/21/2021	04/21/2021	05/11/2021	05/11/2021	05/19/2021
CAS RN	Constituent	Units								
Carboxylic Aci	ls									
375-22-4	Perfluorobutanoic acid (PFBA)	ng/L	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.1	< 2.3	< 2.1
2706-90-3	Perfluoropentanoic acid (PFPeA)	ng/L	< 0.42	< 0.43	< 0.46	< 0.43	< 0.45	< 0.42	< 0.46	< 0.44
307-24-4	Perfluorohexanoic acid (PFHxA)	ng/L	< 0.50	< 0.50	0.61 J	< 0.51	< 0.54	< 0.50	< 0.54	< 0.52
375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/L	< 0.21	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L	< 0.73	< 0.74	< 0.79	< 0.74	0.81 J	< 0.74	< 0.80	< 0.76
375-95-1	Perfluorononanoic acid (PFNA)	ng/L	< 0.23	< 0.23	< 0.25	< 0.24	< 0.25	< 0.23	< 0.25	< 0.24
335-76-2	Perfluorodecanoic acid (PFDA)	ng/L	< 0.27	< 0.27	< 0.29	< 0.27	< 0.29	< 0.27	< 0.29	< 0.28
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L	< 0.95	< 0.96	< 1.0	< 0.96	< 1.0	< 0.95	< 1.0	< 0.98
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L	< 0.47	< 0.48	< 0.51	< 0.48	< 0.51	< 0.48	< 0.52	< 0.49
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L	< 0.63	< 0.63	< 0.68	< 0.64	< 0.68	< 0.63	< 0.69	< 0.65
Sulfonic Acids										
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L	< 0.17	< 0.17	< 0.19	< 0.17	< 0.18	< 0.17	< 0.19	< 0.18
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L	< 0.26	< 0.26	< 0.28	< 0.26	< 0.28	< 0.26	< 0.28	< 0.27
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ng/L	< 0.49	< 0.50	< 0.53	< 0.50	< 0.53	< 0.49	< 0.54	< 0.51
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ng/L	< 0.16	< 0.17	< 0.18	< 0.17	< 0.18	< 0.16	< 0.18	< 0.17
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ng/L	< 0.46	< 0.47	< 0.50	5.3	< 0.50	< 0.47	< 0.51	< 0.48
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ng/L	< 0.32	< 0.32	< 0.35	< 0.32	< 0.34	< 0.32	< 0.35	< 0.33
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ng/L	< 0.28	< 0.28	< 0.30	< 0.28	< 0.30	< 0.28	< 0.30	< 0.29
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ng/L	< 0.83	< 0.84	< 0.90	< 0.85	< 0.90	< 0.84	< 0.91	< 0.87
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ng/L	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.21	< 0.23	< 0.21
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	< 2.1	< 2.2	< 2.3	< 2.2	< 2.3	< 2.2	< 2.3	< 2.2
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	< 0.40	< 0.40	< 0.43	< 0.40	< 0.43	< 0.40	< 0.43	< 0.41
Sulfonamides,	Sulfomidoacetic acids, Sulfonamidoethanols									
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ng/L	< 0.84	< 0.85	< 0.91	< 0.86	< 0.91	< 0.85	< 0.92	< 0.87
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ng/L	< 0.37	< 0.37	< 0.40	< 0.38	< 0.40	< 0.37	< 0.40	< 0.38
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ng/L	< 0.75	< 0.76	< 0.81	< 0.76	< 0.80	< 0.75	< 0.82	< 0.78
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0	< 1.1	< 1.1
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L	< 1.1	< 1.1	< 1.2	< 1.1	< 1.2	< 1.1	< 1.2	< 1.2
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	ng/L	< 1.2	< 1.2	< 1.3	< 1.2	< 1.3	< 1.2	< 1.3	< 1.2
1691-99-2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ng/L	< 0.73	< 0.74	< 0.79	< 0.74	< 0.79	< 0.74	< 0.80	< 0.76
Replacement C	hemicals									
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	ng/L	< 1.3	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3	< 1.4	< 1.3
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L	< 0.34	< 0.35	< 0.37	< 0.35	< 0.37	< 0.35	< 0.38	< 0.36
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ng/L	< 0.21	< 0.21	< 0.22	< 0.21	< 0.22	< 0.21	< 0.23	< 0.21
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ng/L	< 0.28	< 0.28	< 0.30	< 0.28	< 0.30	< 0.28	< 0.30	< 0.29

Notes:

CAS RN = Chemical Abstract Service Registry Number

ng/L = nanograms per liter (ppt)

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

## Table 3: Blank Sample Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

		Sample Type	EQ_BLANK	FIELD_BLANK	FIELD_BLANK	FIELD_BLANK	FIELD_BLANK	FIELD_BLANK	FIELD_BLANK	FIELD_BLANK
		Sample ID	EB-01-20210716	FB-01-202104	FB-02-202104	FB-03-202105	FB-04-20210629	FB-05-20210701	FB-01-20210716	FB-20210721
		Sample Date	07/16/2021	04/21/2021	04/22/2021	05/19/2021	06/29/2021	07/01/2021	07/16/2021	07/21/2021
CAS RN	Constituent	Units								
Carboxylic Aci	ds									
375-22-4	Perfluorobutanoic acid (PFBA)	ng/L	< 2.1	< 2.1	< 2.1	< 2.2	< 2.1	< 2.0	< 2.5	< 2.5
2706-90-3	Perfluoropentanoic acid (PFPeA)	ng/L	< 0.42	< 0.43	< 0.44	< 0.44	< 0.43	< 0.41	< 0.50	< 0.50
307-24-4	Perfluorohexanoic acid (PFHxA)	ng/L	< 0.50	< 0.51	< 0.52	< 0.53	0.52 J	< 0.48	< 0.59	< 0.59
375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/L	< 0.21	< 0.22	< 0.22	< 0.23	< 0.22	< 0.21	< 0.26	< 0.26
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L	< 0.73	< 0.75	< 0.76	< 0.77	< 0.74	< 0.71	< 0.87	< 0.87
375-95-1	Perfluorononanoic acid (PFNA)	ng/L	< 0.23	< 0.24	< 0.24	< 0.25	< 0.24	< 0.22	< 0.28	< 0.28
335-76-2	Perfluorodecanoic acid (PFDA)	ng/L	< 0.27	< 0.27	< 0.28	< 0.28	< 0.27	< 0.26	< 0.32	< 0.32
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L	< 0.94	< 0.97	< 0.99	< 1.0	< 0.96	< 0.92	< 1.1	< 1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L	< 0.47	< 0.49	< 0.49	< 0.50	< 0.48	< 0.46	< 0.56	< 0.56
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.3	< 1.3
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L	< 0.63	< 0.64	< 0.65	< 0.66	< 0.64	< 0.61	< 0.75	< 0.75
Sulfonic Acids			-	-	-	_			-	
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L	< 0.17	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.20	< 0.20
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L	< 0.26	< 0.26	< 0.27	< 0.27	< 0.26	< 0.25	< 0.31	< 0.31
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ng/L	< 0.49	< 0.50	< 0.51	< 0.52	< 0.50	< 0.47	< 0.58	< 0.58
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ng/L	< 0.16	< 0.17	< 0.17	< 0.17	< 0.17	< 0.16	< 0.19	< 0.19
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ng/L	< 0.46	< 0.48	< 0.48	< 0.49	< 0.47	< 0.45	< 0.55	< 0.55
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ng/L	< 0.32	< 0.33	< 0.33	< 0.34	< 0.32	< 0.31	< 0.38	< 0.38
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ng/L	< 0.27	< 0.28	< 0.29	< 0.29	< 0.28	< 0.27	< 0.33	< 0.33
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ng/L	< 0.83	< 0.86	< 0.87	< 0.88	< 0.85	< 0.81	< 0.99	< 0.99
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ng/L	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.20	< 0.25	< 0.25
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	< 2.1	< 2.2	< 2.2	< 2.3	< 2.2	< 2.1	< 2.6	< 2.6
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	< 0.40	< 0.41	< 0.41	< 0.42	< 0.40	< 0.38	< 0.47	< 0.47
Sulfonamides,	Sulfomidoacetic acids, Sulfonamidoethanols		-	-	-					
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ng/L	< 0.84	< 0.87	< 0.88	< 0.89	< 0.85	< 0.82	< 1.0	< 1.0
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ng/L	< 0.37	< 0.38	< 0.39	< 0.39	< 0.38	< 0.36	< 0.44	< 0.44
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ng/L	< 0.75	< 0.77	< 0.78	< 0.79	< 0.76	< 0.72	< 0.89	< 0.89
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0	< 1.0	< 1.2	< 1.2
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L	< 1.1	< 1.1	< 1.2	< 1.2	< 1.1	< 1.1	< 1.3	< 1.3
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	ng/L	< 1.2	< 1.2	< 1.3	< 1.3	< 1.2	< 1.2	< 1.4	< 1.4
1691-99-2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ng/L	< 0.73	< 0.75	< 0.76	< 0.77	< 0.74	< 0.71	< 0.87	< 0.87
Replacement (	Chemicals	•							-	
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	ng/L	< 1.3	< 1.3	< 1.3	< 1.4	< 1.3	< 1.2	< 1.5	< 1.5
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L	< 0.34	< 0.35	< 0.36	< 0.36	< 0.35	< 0.33	< 0.41	< 0.41
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ng/L	< 0.21	< 0.21	< 0.21	< 0.22	< 0.21	< 0.20	< 0.25	< 0.25
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS	S) ng/L	< 0.27	< 0.28	< 0.29	< 0.29	< 0.28	< 0.27	< 0.33	< 0.33

Notes:

CAS RN = Chemical Abstract Service Registry Number

ng/L = nanograms per liter (ppt)

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

Prepared by: P. Popp, 7/15/2021

Checked and revised by: L. Auner, 7/15/2021 Checked by: J. Ramey 7/16/2021 Updated by: L. Auner, 7/29/2021 Checked by: A. Enright 7/29/2021

# Table 4: Stormwater Analytical Results<br/>RockGen Energy CenterTown of Christiana, Dane County, WisconsinTRC Project # 437865.0000.0000, BRRTS #02-13-587341

		Sample Location/Type	e SW-01-A	SW-01-A Dup	SW-01-B
		Sample Date and Time	e 6/29/2021 10:35	6/29/2021 10:35	6/29/2021 12:15
CAS RN	Constituent	Units			
Carboxylic Acid	ls			•	
375-22-4	Perfluorobutanoic acid (PFBA)	ng/L	< 2.0	< 2.0	6.4
2706-90-3	Perfluoropentanoic acid (PFPeA)	ng/L	2	2	25
307-24-4	Perfluorohexanoic acid (PFHxA)	ng/L	4.3	4.1	19
375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/L	1.6 J	1.4 J	18
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L	6.1	5.8	23
375-95-1	Perfluorononanoic acid (PFNA)	ng/L	2.2	2.3	5.3
335-76-2	Perfluorodecanoic acid (PFDA)	ng/L	2.7	2.6	3.5
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L	< 0.92	< 0.90	< 1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L	0.86 J	0.93 J	0.93 J
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L	< 1.1	< 1.1	< 1.2
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L	< 0.61	< 0.60	< 0.66
Sulfonic Acids					
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L	< 0.17	< 0.16	< 0.18
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L	< 0.25	< 0.25	< 0.27
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ng/L	< 0.48	< 0.47	< 0.52
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ng/L	< 0.16	< 0.16	< 0.17
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ng/L	1.5 J	1.2 J	1.5 J
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ng/L	< 0.31	< 0.30	< 0.34
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ng/L	< 0.27	< 0.26	< 0.29
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ng/L	< 0.81	< 0.79	< 0.88
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ng/L	< 0.20	< 0.20	< 0.22
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	16	16	44
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	130	140	180
Sulfonamides,	Sulfomidoacetic acids, Sulfonamidoethanols		-		
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ng/L	< 0.82	< 0.80	< 0.89
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ng/L	< 0.36	< 0.35	< 0.39
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ng/L	< 0.73	< 0.71	< 0.79
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA	A) ng/L	< 1.0	< 0.98	< 1.1
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L	< 1.1	< 1.1	< 1.2
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	ng/L	< 1.2	< 1.1	< 1.3
1691-99-2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ng/L	< 0.71	< 0.70	< 0.77

#### Table 4: Stormwater Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

	Sample Lo	ocation/Type	SW-01-A	SW-01-A Dup	SW-01-B
	Sample Da	ate and Time	6/29/2021 10:35	6/29/2021 10:35	6/29/2021 12:15
CAS RN	Constituent	Units			
Replacement	Chemicals				
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	ng/L	< 1.3	< 1.2	< 1.4
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L	< 0.33	< 0.33	< 0.36
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ng/L	< 0.20	< 0.20	< 0.22
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ng/L	< 0.27	< 0.26	< 0.29
Solids					
TSS	Total Suspended Solids (TSS)	mg/L	120		11

Notes:

CAS RN = Chemical Abstract Service Registry Number

ng/L = nanograms per liter (ppt)

-- = Not analyzed

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

Prepared by: P. Popp, 7/14/2021 Checked and revised by: L. Auner, 7/15/2021 Checked by: J. Ramey 7/16/2021

#### Table 5: Groundwater Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

			Well Type					(	On-Site Potable Well				
			Sample Location ID	Raw Tap	Kitchen Tap	Filter Tap	Fridge Tap	PW-01	PW-01	PW-01	PW-01	PW-01	PW-01
			Sample Depth		-	•	•	100 - 117 ft	116.25 - 137.25 ft	136.75 - 157.75 ft	157.5 - 178.5 ft	175.25 - 196.25 ft	
			Sample Date	03/10/2021	03/10/2021	03/10/2021	03/10/2021	04/22/2021	04/22/2021	04/22/2021	04/22/2021	04/22/2021	07/16/2021
		Prop	osed Proposed										
CAS RN	Constituent	Units NR 140	PAL <sup>(1)</sup> NR 140 ES <sup>(1)</sup>										
Carboxvlic A	cids	1		. <u>I</u>									
375-22-4	Perfluorobutanoic acid (PFBA)	ng/L 2,0	00 10,000	120	120	4.0	2.1 J	77	88	56	73	82	110
2706-90-3	Perfluoropentanoic acid (PFPeA)	ng/L -	· -	500	490	< 0.96	< 0.93	300	360	230	290	280	480
307-24-4	Perfluorohexanoic acid (PFHxA)	ng/L 30,0	000 150,000	340	350	< 0.96	< 0.93	210	240	150	190	210	260
375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/L -	· –	190	200	< 0.96	< 0.93	100	110	63	99	97	140
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L 2 <sup>(</sup>	<sup>2)</sup> 20 <sup>(2)</sup>	210	200	< 0.96	< 0.93	100	130	62	100	100	170
375-95-1	Perfluorononanoic acid (PFNA)	ng/L 3	3 30	23	24	< 0.96	< 0.93	10	11	5	9.2	8.9	17
335-76-2	Perfluorodecanoic acid (PFDA)	ng/L 6	0 300	5.6	5.6	< 0.96	< 0.93	2.4	2.0	1.1 J	2.0	2.1	3.9
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L 60	00 3000	< 1.0	< 0.93	< 0.96	< 0.93	< 1.1	< 1.1	< 1.0	< 0.99	< 1.0	< 0.97
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L 10	00 500	< 1.0	< 0.93	< 0.96	< 0.93	< 0.57	< 0.56	< 0.52	< 0.49	< 0.52	< 0.49
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L -	· -	< 1.0	< 0.93	< 0.96	< 0.93	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.1
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L 20	00 10000	< 1.0	< 0.93	< 0.96	< 0.93	< 0.75	< 0.74	< 0.69	< 0.65	< 0.69	< 0.64
Sulfonic Aci						0.00	0.00	0.45.1	0.40.1	0.40.1	0.07.1	0.50.1	0 =0 1
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L 900	450000	1.1 J	1.4 J	< 0.96	< 0.93	0.45 J	0.40 J	0.40 J	0.67 J	0.52 J	0.73 J
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L -	-	< 1.0	< 0.93	< 0.96	< 0.93	< 0.31	< 0.31	< 0.28	< 0.27	< 0.28	< 0.27
355-46-4	Perfluoronexane sulfonic acid (PFHxS)	ng/L 2	40	1.2 J	< 0.93	< 0.96	< 0.93	1.2 J	1.2 J	0.82 J	0.87 J	1.0 J	1.5 J
375-92-8	Perfluoroneptane sulfonic acid (PEHpS)	ng/L -	2)	< 1.0	< 0.93	< 0.96	< 0.93	< 0.20	< 0.19	< 0.18	< 0.17	< 0.18	< 0.17
1763-23-1		ng/L 2	20(2)	7.8	8.9	< 0.96	< 0.93	< 5.3 U	< 5.3 U	< 0.51 0	< 5.3 U	< 5.3 U	6.6
68259-12-1	Perfluorononane sulfonic acid (PENS)	ng/L -	· _	< 1.0	< 0.93	< 0.96	< 0.93	< 0.38	< 0.38	< 0.35	< 0.33	< 0.35	< 0.33
335-11-3	Perfluorodecane sulfonic acid (PFDS)	ng/L ·	· -	< 1.0	< 0.93	< 0.96	< 0.93	< 0.33	< 0.00	< 0.30	< 0.29	< 0.30	< 0.28
79760-39-3	4:2 Elucrotolomor cultonic acid (4:2 ETS)	ng/L -		< 2.0 0 7	< 1.9 9 E	< 1.9	< 1.9	< 1.0	< 0.99 0	< 0.92	< 0.07	< 0.91	< 0.00
27610 07 2	6:2 Elucrotelomer sulfonic acid (6:2 ETS)	ng/L ·		0.7	0.0	< 1.9	11	4.9	0.9	680	4.5	4.2	1500
20108 34 4	8:2 Elucrotelomer sulfonic acid (8:2 ETS)	ng/L -		2700	3000	< 1.9	14	200	250	120	270	270	530
Sulfonamide	s Sulfomidoacetic acids Sulfonamidoethanols	ng/L -	-	750	000	< 1.5	< 1.5	290	230	120	210	210	550
751_01_6	Perfluorooctane sulfonamide (PEOSA)		2) 20(2)	111	151	< 0.96	< 0.93	80	5.8	11	1	52	1.8
31506 32 8	N Mothylporfluoroostano sulfonamido (NMoEOSA)	ng/L 2	2011	1.15	- 27	< 3.8	< 0.33	< 0.44	< 0.44	<b>-</b> 0, 11	- 0.30	< 0.40	< 0.38
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtEOSA)		2) 20(2)	< 2.0	< 1.0	< 1.0	< 1.0	< 0.90	< 0.89	< 0.83	< 0.33	< 0.40	< 0.30
2355 31 0	N Mothyl porfluorooctane sulfonamide acotic acid. (NMoEOSAA)	ng/L 2	2011	< 2.0	< 1.0	< 1.9	< 1.9	< 1.2	< 1.2	< 0.05	< 0.70	< 0.02	< 1.1
2001 50 6	N Ethyl perflueregetang sulfengmide acetic acid (NETEOSAA)		2) 20(2)	< 2.0	< 1.9	< 1.9	< 1.9	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1
24448 00 7	N Mothyl porfluoroostano sulfonamido othanol (NMoEOSE)	ng/L 2	2011	< 2.0	< 1.0	< 1.9	< 1.9	< 1.0	< 1.0	< 1.2	< 1.2	< 1.2	< 1.1
1601 00 2	N Ethyl perfluereectane sulfenamideethanel (NEtEOSE)		2) 20 <sup>(2)</sup>	< 2.0	< 1.9	< 1.9	< 1.9	< 0.88	< 0.86	< 0.81	< 0.76	< 0.80	< 0.75
Replacemen		ng/L Z	, 20°,	< 2.0	< 1.9	< 1.9	< 1.9	< 0.00	< 0.00	< 0.01	< 0.70	< 0.00	< 0.75
13252 12 6		ng/l 2	0 300	< 2.0	< 1.0	< 1.0	< 1.0	< 1.6	< 1.5	< 1 /	< 1.2	< 1 /	< 1.2
919005-14 4	4 8-Diova-3H-perfluorononanoic acid (DONA)			< 2.0	< 1.0	< 1.9	< 1.0	< 0./1	< 0.41	< 1.4 < 0.28	< 0.36	< 0.38	< 0.35
756426-58-1	9-Chlorobeyadecafluoro-3-oyanonane-1-sulfonic acid (0CLPE3ONS)			< 2.0	< 1 0	< 1.0	< 1.0	< 0.41	< 0.24	< 0.30	< 0.20	< 0.30	< 0.00
763051-92-0	11-Chloropicosafluoro-3-oxaundecane-1-sulfonic acid (901-F1 30N3)			< 2.0	< 1.0	< 1.0	< 1.0	< 0.23	< 0.24	< 0.20	< 0.22	< 0.20	< 0.28
Combined S	tandard	1 iig/L -	-	5 Z.U	N 1.0	N 1.0	N 1.0	× 0.00	× 0.00	< 0.00	> 0.∠3	× 0.00	S 0.20
-	Combined Standard <sup>(2)</sup>	ng/l a	20	218 9	210.4	ND	ND	108.9	135.8	66.4	104	105.2	178.4
Notes:		1.19/1 2	- 20	210.0	210.7	130		100.0	100.0	VV-T	107	100.2	

CAS RN = Chemical Abstract Service Registry Number

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 enforcement standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 preventive action limit

ng/L = nanograms per liter (ppt)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

U = Evaluated to be undetected due to contamination

Italic = Concentration meets or exceeds proposed NR 140 PAL

Bold italics = Concentration meets or exceeds proposed NR 140 ES

ND = not detected

#### Footnotes:

<sup>(1)</sup> Proposed NR 140 ESs and PALs were recommended by the Department of Health Services (DHS) to the DNR. The DNR is in the rule-making process to include these values in ch. NR 140.

<sup>(2)</sup> Combined standards proposed for PFOS, PFOA, PFOSA, NEtFOSA, NEtFOSAA, and NEtFOSE.

#### Table 5: Groundwater Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

				Well Type		Product	ion Wells		Monitoring Wells								
			Sam	ple Location ID	IPW-01	IPW-01	IPW-02	IPW-02	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03 Dup	MW-03	MW-04	MW-04
			••••	Sample Depth													
				Sample Date	05/17/2021	07/16/2021	05/17/2021	07/16/2021	05/17/2021	07/16/2021	05/17/2021	07/16/2021	05/17/2021	05/17/2021	07/15/2021	05/19/2021	07/16/2021
			Proposed	Proposed	03/11/2021	07/10/2021	03/11/2021	07/10/2021	03/11/2021	07/10/2021	03/11/2021	07/10/2021	03/17/2021	03/11/2021	07/13/2021	03/13/2021	07/10/2021
	Constituent	Unite		ND 140 ES <sup>(1)</sup>													
CAS KN		Units	NK 140 FAL	NK 140 ES													
375-22-4	Perfluorobutanoic acid (PEBA)	ng/l	2 000	10 000	< 2.1	< 2.1	< 2.1	< 2.6	110	270	20	240	38.1	37.1	62	300	300
2706-90-3	Perfluoropentanoic acid (PEPeA)	ng/L	-	-	< 0.43	< 0.42	< 0.44	< 0.53	410	1200	79	1100	12J	0.89 J	< 0.43	1400	1200
307-24-4	Perfluorohexanoic acid (PFHxA)	na/L	30.000	150.000	< 0.51	< 0.50	< 0.52	< 0.63	170	530	53	720	0.99 J	1.0 J	0.99 J	930	880
375-85-9	Perfluoroheptanoic acid (PFHpÁ)	ng/L	-	-	< 0.22	< 0.21	< 0.22	< 0.27	93	210	15	200	0.69 JI	0.58 J	< 0.22	490	540
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L	2 <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.75	< 0.73	< 0.76	< 0.92	51	160	10	90	< 0.77	< 0.75	< 0.75	630	900
375-95-1	Perfluorononanoic acid (PFNA)	ng/L	3	30	< 0.24	< 0.23	< 0.24	< 0.29	2.4	15	0.82 J	4.8	< 0.24	< 0.24	< 0.24	55	68
335-76-2	Perfluorodecanoic acid (PFDA)	ng/L	60	300	< 0.27	< 0.27	< 0.28	< 0.34	< 0.29	< 0.29	< 0.28	< 0.27	< 0.28	< 0.27	< 0.27	18	23
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L	600	3000	< 0.97	< 0.95	< 0.98	< 1.2	< 1.0	< 1.0	< 0.98	< 0.96	< 0.99	< 0.97	< 0.96	1.2 J	1.8
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L	100	500	< 0.49	< 0.47	< 0.49	< 0.60	< 0.51	< 0.51	< 0.49	< 0.48	< 0.50	< 0.49	< 0.48	< 0.49	< 0.47
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L	-	-	< 1.2	< 1.1	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.1
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L	2000	10000	< 0.65	< 0.63	< 0.65	< 0.79	< 0.67	< 0.67	< 0.65	< 0.64	< 0.66	< 0.64	< 0.64	< 0.65	< 0.63
Sulfonic Acid	s					T	1	T			T	T		n		T	1
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L	90000	450000	< 0.18	< 0.17	< 0.18	< 0.22	0.33 J	0.83 J	< 0.18	0.37 J	0.47 J	0.45 J	0.85 J	0.49 J	0.78 J
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L	-	-	< 0.27	< 0.26	< 0.27	< 0.33	< 0.28	< 0.28	< 0.27	< 0.26	< 0.27	< 0.26	< 0.26	0.29 J	0.32 J
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ng/L	4	40	< 0.50	< 0.49	< 0.51	< 0.62	0.53 J	0.64 J	< 0.51	1.4 J	< 0.51	< 0.50	< 0.50	2.5	3.1
375-92-8		ng/L	-	-	< 0.17	< 0.16	< 0.17	< 0.21	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.16
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ng/L	2(2)	20(2)	< 0.48	< 0.46	< 0.48	< 0.59	< 0.50	2.4	< 0.48	0.87 J	< 0.49	< 0.48	< 0.47	14	17
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ng/L	-	-	< 0.33	< 0.32	< 0.33	< 0.40	< 0.34	< 0.34	< 0.33	< 0.32	< 0.33	< 0.33	< 0.32	< 0.33	< 0.32
335-11-3	Periluorodecane sullonic acid (PFDS)	ng/L	-	-	< 0.28	< 0.27	< 0.29	< 0.35	< 0.29	< 0.29	< 0.28	< 0.28	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28
79700-39-3	4:2 Eluorotolomor sulfonic acid (4:2 ETS)	ng/L	-	-	< 0.00	< 0.03	< 0.07	< 1.1	< 0.09	< 0.09	< 0.00	< 0.00 2 7	< 0.00	< 0.00	< 0.00	< 0.00	< 0.64
27610-07-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	-	-	< 0.21	< 2.1	< 2.2	< 2.7	340	870	87	610	< 2.3	< 2.2	< 2.2	34 /100	3600
30108-31-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	-		< 0.11	< 0.40	< 0.41	< 0.50	2.8	13	3.0	30	< 0.42	< 0.41	< 0.40	1700	2300
Sulfonamide	Sulfomidoacetic acide Sulfonamidoethanols	IIG/L	-		< 0.4T	< 0.40	< 0. <del>4</del> 1	< 0.50	2.0	15	5.0	- 55	S 0.4Z	< 0. <del>4</del> 1	< 0.40	1700	2300
754-91-6	Perfluorooctane sulfonamide (PEOSA)	ng/l	<b>2</b> <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.87	< 0.84	< 0.88	12.1	< 0.90	< 0.90	< 0.87	< 0.86	< 0.89	< 0.86	< 0.86	10.1	0.89.1
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeEOSA)	ng/L	-		< 0.38	< 0.37	< 0.38	< 0.47	< 0.40	< 0.40	< 0.38	< 0.38	< 0.30	< 0.38	< 0.38	< 0.38	< 0.37
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtEOSA)	ng/L	<b>2</b> <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.77	< 0.75	< 0.78	< 0.95	< 0.80	< 0.80	< 0.77	< 0.76	< 0.79	< 0.77	< 0.76	< 0.77	< 0.75
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid. (NMeEOSAA)	ng/L	-	- 20	< 1.1	< 1.0	< 1.1	< 1.3	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.0
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtEOSAA)	ng/L	<b>2</b> <sup>(2)</sup>	20 <sup>(2)</sup>	< 1.2	< 1.1	< 1.2	< 1.4	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.1	< 1.1	< 1.2	< 1.0
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeEOSE)	ng/L	-	- 20	< 1.2	< 1.2	< 1.2	< 1.5	< 1.3	< 1.3	< 1.2	< 1.1	< 1.2	< 1.2	< 1.1	< 1.2	< 1.2
1601-00-2	N-Ethyl perfluorooctane sulfonamidoethanol (NETEOSE)	ng/L	<b>2</b> <sup>(2)</sup>	20(2)	< 0.75	< 0.73	< 0.76	< 0.92	< 0.78	< 0.78	< 0.75	< 0.74	< 0.77	< 0.75	< 0.75	< 0.75	< 0.73
Replacement	Chemicals	lig/∟	2	20	- 0.10	- 0.10	- 0.10	- 0.02	- 0.10	- 0.10	- 0.10	- 0.1-	- 0.11	- 0.10	- 0.10	- 0.10	- 0.10
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid (HEPO-DA)	na/l	30	300	< 1.3	< 1.3	< 1.3	< 1.6	< 1.4	< 1.4	< 1.3	< 1.3	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3
919005-14-4	4.8-Dioxa-3H-perfluorononanoic acid (DONA)	na/L	600	3000	< 0.35	< 0.34	< 0.36	< 0.43	< 0.37	< 0.37	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ng/L	-	-	< 0.21	< 0.21	< 0.21	< 0.26	< 0.22	< 0.22	< 0.21	< 0.21	< 0.22	< 0.21	< 0.21	< 0.21	< 0.21
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ng/L	-	-	< 0.28	< 0.27	< 0.29	< 0.35	< 0.29	< 0.29	< 0.28	< 0.28	< 0.29	< 0.28	< 0.28	< 0.28	< 0.28
Combined St	andard																
-	Combined Standard <sup>(2)</sup>	ng/L	2	20	ND	ND	ND	1.2 J	51	162.4	10	90.87	ND	ND	ND	645	917.89
H		+ <u>~</u>	•					•	•		•	•	•	+			

Notes:

CAS RN = Chemical Abstract Service Registry Number

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 enforcement standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 preventive action limit

ng/L = nanograms per liter (ppt)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

U = Evaluated to be undetected due to contamination

Italic = Concentration meets or exceeds proposed NR 140 PAL

Bold italics = Concentration meets or exceeds proposed NR 140 ES

ND = not detected

#### Footnotes:

<sup>(1)</sup> Proposed NR 140 ESs and PALs were recommended by the Department of Health Services (DHS) to the DNR. The DNR is in the rule-making process to include these values in ch. NR 140.

<sup>(2)</sup> Combined standards proposed for PFOS, PFOA, PFOSA, NEtFOSA, NEtFOSAA, and NEtFOSE.

#### Table 5: Groundwater Analytical Results RockGen Energy Center Town of Christiana, Dane County, Wisconsin TRC Project # 437865.0000.0000, BRRTS #02-13-587341

				Well Type			Monito	oring Wells (cor	ntinued)			Piezo	meter	Off-Site Potable Well	
			Sai	nple Location ID	MW-05	MW-05	MW-05 Dup	MW-06	MW-06	MW-07	MW-07	PZ-01	PZ-01		
				Sample Depth										2304 CARPENTER SWAIN	
				Sample Date	05/19/2021	07/15/2021	07/15/2021	05/19/2021	07/15/2021	05/19/2021	07/14/2021	07/01/2021	07/15/2021	07/21/2021	
			Proposed	Bronosod	05/19/2021	07/15/2021	07/15/2021	03/19/2021	07/15/2021	03/19/2021	07/14/2021	07/01/2021	07/15/2021	01/21/2021	
	Constituent	Unito													
CAS KN		Units	NR 140 PAL	NK 140 ES				-							
	Derfluerebuteneic acid (DERA)	ng/l	2 000	10.000	79	51	51	271	< 2.1	< 2.1	< 2.1	< 1.0	< 2.1	< 2.3	
2706-90-3	Perfluoropentanoic acid (PEPeA)	ng/L	2,000	-	320	230	220	< 0.44	< 0.44	< 0.43	< 0.43	< 0.40	< 0.43	< 0.47	
307-24-4	Perfluoropexanoic acid (PEHxA)	ng/L	30,000	150,000	190	140	130	< 0.52	0.51.1	< 0.51	< 0.51	< 0.47	< 0.51	< 0.55	
375-85-9	Perfluoroheptanoic acid (PEHpA)	ng/L	-	-	96	98	93	< 0.22	< 0.22	< 0.22	< 0.22	< 0.20	< 0.22	< 0.24	
335-67-1	Perfluorooctanoic acid (PEOA)	ng/_	<b>2</b> <sup>(2)</sup>	20 <sup>(2)</sup>	69	61	56	< 0.76	< 0.75	< 0.75	< 0.74	< 0.69	< 0.74	< 0.81	
375-95-1	Perfluorononanoic acid (PENA)	ng/L	3	30	0.28.1	62	71	< 0.24	< 0.24	< 0.24	< 0.24	< 0.22	0.91.1	< 0.26	
335-76-2	Perfluorodecanoic acid (PEDA)	ng/L	60	300	< 0.28	1.9	18,1	< 0.28	< 0.28	< 0.27	< 0.27	0.28 J	26	< 0.30	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ng/L	600	3000	< 0.98	< 1.0	< 1.1	< 0.98	< 0.98	< 0.97	< 0.96	< 0.89	6.2	< 1.0	
307-55-1	Perfluorododecanoic acid (PFDoA)	ng/L	100	500	< 0.49	< 0.50	< 0.53	< 0.49	< 0.49	< 0.49	< 0.48	< 0.45	4.5	< 0.52	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ng/L	-	-	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	5.2	< 1.2	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/L	2000	10000	< 0.65	< 0.67	< 0.70	< 0.65	< 0.65	< 0.64	< 0.64	< 0.59	3.5	< 0.70	
Sulfonic Acid	ls				·						·		·	·	
375-73-5	Perfluorobutane sulfonic acid (PFBS)	ng/L	90000	450000	0.44 J	0.61 J	0.50 J	< 0.18	< 0.18	3.0	8.4	< 0.16	< 0.17	0.83 J	
2706-91-4	Perfluoropentane sulfonic acid (PFPeS)	ng/L	-	-	< 0.27	< 0.28	< 0.29	< 0.27	< 0.27	< 0.26	< 0.26	< 0.24	< 0.26	< 0.29	
355-46-4	Perfluorohexane sulfonic acid (PFHxS)	ng/L	4	40	0.69 J	< 0.52	< 0.55	< 0.51	< 0.51	< 0.50	< 0.50	< 0.46	< 0.50	< 0.54	
375-92-8	Perfluoroheptane sulfonic acid (PFHpS)	ng/L	-	-	< 0.17	< 0.17	< 0.18	< 0.17	< 0.17	< 0.17	< 0.17	< 0.15	< 0.17	< 0.18	
1763-23-1	Perfluorooctane sulfonic acid (PFOS)	ng/L	2 <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.48	3.2	2.9	< 0.48	< 0.48	< 0.48	< 0.47	< 0.44	< 0.47	< 0.52	
68259-12-1	Perfluorononane sulfonic acid (PFNS)	ng/L	-	-	< 0.33	< 0.34	< 0.36	< 0.33	< 0.33	< 0.33	< 0.32	< 0.30	< 0.32	< 0.35	
335-77-3	Perfluorodecane sulfonic acid (PFDS)	ng/L	-	-	< 0.29	< 0.29	< 0.31	< 0.28	< 0.28	< 0.28	< 0.28	< 0.26	< 0.28	< 0.31	
79780-39-5	Perfluorododecane sulfonic acid (PFDoS)	ng/L	-	-	< 0.86	< 0.89	< 0.93	< 0.86	< 0.86	< 0.86	< 0.85	< 0.79	< 0.84	< 0.93	
757124-72-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ng/L	-	-	< 0.21	< 0.22	< 0.23	< 0.21	< 0.21	< 0.21	< 0.21	< 0.19	< 0.21	< 0.23	
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ng/L	-	-	460	120	120	< 2.2	< 2.2	< 2.2	< 2.2	< 2.0	< 2.2	< 2.4	
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ng/L	-	-	1.0 J	96	81	< 0.41	< 0.41	< 0.41	< 0.40	< 0.37	< 0.40	< 0.44	
Sulfonamide	s, Sulfomidoacetic acids, Sulfonamidoethanols		(0)	(0)				1						1	
754-91-6	Perfluorooctane sulfonamide (PFOSA)	ng/L	2 <sup>(2)</sup>	20(2)	< 0.87	< 0.90	< 0.94	< 0.87	< 0.87	< 0.87	< 0.85	1.5 J	< 0.85	< 0.94	
31506-32-8	N-Methylperfluorooctane sulfonamide (NMeFOSA)	ng/L	-	-	< 0.38	< 0.39	< 0.41	< 0.38	< 0.38	< 0.38	< 0.38	< 0.35	< 0.37	< 0.41	
4151-50-2	N-Ethylperfluorooctane sulfonamide (NEtFOSA)	ng/L	2 <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.78	< 0.80	< 0.84	< 0.77	< 0.77	< 0.77	< 0.76	< 0.71	< 0.76	< 0.83	
2355-31-9	N-Methyl perfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L	-	-	< 1.1	< 1.1	< 1.2	< 1.1	< 1.1	< 1.1	< 1.0	< 0.97	< 1.0	< 1.1	
2991-50-6	N-Ethyl perfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L	2 <sup>(2)</sup>	20 <sup>(2)</sup>	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.1	< 1.1	< 1.1	< 1.2	
24448-09-7	N-Methyl perfluorooctane sulfonamido ethanol (NMeFOSE)	ng/L	-	-	< 1.2	< 1.3	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.1	< 1.2	< 1.3	
1691-99-2	N-Ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	ng/L	2 <sup>(2)</sup>	20 <sup>(2)</sup>	< 0.76	< 0.78	< 0.82	< 0.76	< 0.75	< 0.75	< 0.74	< 0.69	< 0.74	< 0.81	
Replacement	Chemicals														
13252-13-6	Perfluoro-2-methyl-3-oxahexanoic acid (HFPO-DA)	ng/L	30	300	< 1.3	< 1.4	< 1.4	< 1.3	< 1.3	< 1.3	< 1.3	< 1.2	< 1.3	< 1.4	
919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L	600	3000	< 0.36	< 0.37	< 0.38	< 0.36	< 0.36	< 0.35	< 0.35	< 0.32	< 0.35	< 0.38	
756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ng/L	-	-	< 0.21	< 0.22	< 0.23	< 0.21	< 0.21	< 0.21	< 0.21	< 0.19	< 0.21	< 0.23	
763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ng/L	-	-	< 0.29	< 0.29	< 0.31	< 0.28	< 0.28	< 0.28	< 0.28	< 0.26	< 0.28	< 0.31	
Combined St	andard														
-	Combined Standard <sup>(2)</sup>	ng/L	2	20	69	64.2	58.9	ND	ND	ND	ND	1.5 J	ND	ND	
Notes:													Prepared by:	P. Popp. 7/14/2021	

CAS RN = Chemical Abstract Service Registry Number

NR 140 ES = Wisconsin Administrative Code Chapter NR 140 enforcement standard

NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 preventive action limit

ng/L = nanograms per liter (ppt)

- = Value not established

J = Estimated concentration at or above the method detection limit and below the laboratory reporting limit.

U = Evaluated to be undetected due to contamination

Italic = Concentration meets or exceeds proposed NR 140 PAL

Bold italics = Concentration meets or exceeds proposed NR 140 ES

ND = not detected

#### Footnotes:

(1) Proposed NR 140 ESs and PALs were recommended by the Department of Health Services (DHS) to the DNR. The DNR is in the rule-making process to include these values in ch. NR 140.

<sup>(2)</sup> Combined standards proposed for PFOS, PFOA, PFOSA, NEtFOSA, NEtFOSAA, and NEtFOSE.

Prepared by: P. Popp, 7/14/2021

Checked and revised by: L. Auner, 7/15/2021 Checked by: J. Ramey 7/16/2021 Updated by: L. Auner, 7/29/2021 Checked by: A. Enright 7/29/2021



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Map (SU 803 Feet <u>8</u>33 2 B(11"x1 ANSI



C



۵ DEEP PRODUCTION WELL

 $\circ$ STORM SEWER INLET/OUTLET

DRAINAGE CHANNEL\*

APPROXIMATE AREA OF AFFF INSPECTION TESTING

APPROXIMATE EXTENT OF SEPTIC MOUND

PROPERTY BOUNDARY

PARCEL BOUNDARY

SITE EXTENT FOR PURPOSE OF INVESTIGATION

# **NOTES**

- 1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
- 2. PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.



1 " = 350 ' 1:4,200

# PROJECT:

# BRRTS #02-13-587341 ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

# SITE VICINITY MAP

DRAWN BY:	G. CORYELL	PROJ. NO.:	437865-001
CHECKED BY:	L. AUNER		
APPROVED BY:	J. RAMEY	FIGURE	2
DATE:	SEPTEMBER 2021		-
		700 11 11 17	



708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com

437865-SIR-002\_Vicinity.m



# **LEGEND**



- DEEP PRODUCTION WELL
- STORM SEWER INLET/OUTLET

2' MINOR CONTOUR

\_\_\_\_ 10' MAJOR CONTOUR

APPROXIMATE AREA OF AFFF INSPECTION TESTING

APPROXIMATE EXTENT OF SEPTIC MOUND

PROPERTY BOUNDARY

- PARCEL BOUNDARY
- SITE EXTENT FOR PURPOSE OF INVESTIGATION
- DRAINAGE CHANNEL\*

# <u>NOTES</u>

- 1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
- 2. PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. CONTOUR DATA FROM DANE COUNTY LAND INFORMATION OFFICE, 2017.
- 4. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.



1 " = 125 ' 1:1,500

PROJECT:

#### BRRTS #02-13-587341 ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

250

TITLE:

# SITE TOPOGRAPHY

DRAWN BY:	G. CORYELL	PROJ. NO.:	437865-001
CHECKED BY:	L. AUNER		
APPROVED BY:	J. RAMEY		FIGURE 3
DATE:	SEPTEMBER 2021		
			708 Heartland Trail, Suite 3000



08 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com

FILE NO.

437865-SIR-003\_Topo.mxd



# LEGEND

- POTABLE WELL ۵
- DEEP PRODUCTION WELL
- STORM SEWER INLET/OUTLET  $\circ$ 
  - APPROXIMATE AREA OF AFFF INSPECTION TESTING
  - APPROXIMATE EXTENT OF SEPTIC MOUND
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SITE EXTENT FOR PURPOSE OF INVESTIGATION
- PIPING
- **---** STORM SEWER
- **----** UNDERGROUND PROCESS PIPING
- SEPTIC SYSTEM PIPING (APPROXIMATE)
- DRAINAGE CHANNEL\*

# NOTES

- BASE MAP IMAGERY FROM DANE COUNTY, 2020. 1.
- PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN 2. STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.
- 4. UNDERGROUND UTILITIES FROM PRE-CONSTRUCTION DRAWINGS, ADJUSTED BASED ON ABOVEGROUND FEATURES. SEPTIC PIPING BASED ON SEPTIC SYSTEM PERMIT. ACTUAL UTILITY LOCATIONS MAY DIFFER FROM PRE-CONSTRUCTION PLANS.



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437865-SIR-004\_SITE\_LAYOUT.mx



Map (SU

# LEGEND

- **-**MONITORING WELL
- GEOPROBE SOIL BORING (APRIL 2021) •
- HAND AUGER SOIL BORING (MAY 2021) •
- SOIL SAMPLE •
- POTABLE WELL ۵
- DEEP PRODUCTION WELL ۵
- X PIEZOMETER
- STORM SEWER INLET/OUTLET  $\circ$
- DRAINAGE CHANNEL\*
- APPROXIMATE AREA OF AFFF INSPECTION TESTING
- APPROXIMATE EXTENT OF SEPTIC MOUND
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SITE EXTENT FOR PURPOSE OF INVESTIGATION

# **NOTES**

- 1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
- 2. PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.



1 " = 200 '

1:2,400

# PROJECT: BRRTS #02-13-587341 ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

#### SITE INVESTIGATION OVERVIEW

DRAWN BY:	G. CORYELL	PROJ. NO.: 43	786
CHECKED BY:	L. AUNER		
APPROVED BY:	J. RAMEY	FIGURE 5	
DATE:	SEPTEMBER 2021		
$\mathbf{i}$	IRC	708 Heartland Trail, Suite 300 Madison, WI 5371 Phone: 608.826.360 www.trccompanies.cor	0 7 10 m

FILE NO.:

437865-SIR-005\_Site\_Investigation\_Overview.m:



Map US)



437865-SIR-006\_Water\_Table.mx



# LEGEND

- ↔ MONITORING WELL
- GEOPROBE SOIL BORING (APRIL 2021)
- HAND AUGER SOIL BORING (MAY 2021)
- SOIL SAMPLE
- POTABLE WELL
- DEEP PRODUCTION WELL
- X PIEZOMETER
- STORM SEWER INLET/OUTLET
  - DRAINAGE CHANNEL\*



- GROUNDWATER FLOW DIRECTION
   GROUNDWATER ELEVATION
- CONTOUR (0.5 FT, FT AMSL)
- (884.57) GROUNDWATER ELEVATION (FT AMSL)
  - APPROXIMATE AREA OF AFFF INSPECTION TESTING
  - APPROXIMATE EXTENT OF SEPTIC MOUND
  - PROPERTY BOUNDARY
  - PARCEL BOUNDARY
  - SITE EXTENT FOR PURPOSE OF INVESTIGATION

#### NOTES

- 1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
- 2. PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.
- 4. WATER TABLE CONTOURS AND FLOW DIRECTION BASED ON MONITORING WELLS ONLY (PZ-01 NOT INCLUDED).



1:2,400 1 " = 200 '

PROJECT:

#### BRRTS #02-13-587341 ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

400

#### WATER TABLE MAP JULY 14, 2021

DRAWN BY:	G. CORYELL	PROJ. NO.: 437865
CHECKED BY:	L. AUNER	
APPROVED BY:	J. RAMEY	FIGURE 7
DATE:	SEPTEMBER 2021	
<b>?</b> 1	RC	708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com

FILE NO.:

437865-SIR-007\_Water\_Table\_July.mxd



<u>(</u>)

# <u>LEGEND</u>

- ✦ MONITORING WELL
- × PIEZOMETER
- GEOPROBE SOIL BORING (APRIL 2021)
- HAND AUGER SOIL BORING (MAY 2021)
- SOIL SAMPLE
- POTABLE WELL
- DEEP PRODUCTION WELL
- STORM SEWER INLET/OUTLET
- DRAINAGE CHANNEL\*
  - APPROXIMATE AREA OF AFFF INSPECTION TESTING
  - APPROXIMATE EXTENT OF SEPTIC MOUND

PROPERTY BOUNDARY

PARCEL BOUNDARY

SITE EXTENT FOR PURPOSE OF INVESTIGATION

<u>BORING/SAMPLE ID (SAMPLE DEPTH, FT BGS)</u> RESULTS (μg /kg)

SOIL RESULTS FOR SELECT PFAS (DETECTIONS OF 8:2 FTS, PFOA, AND PFOS)

# <u>NOTES</u>

- 1. BASE MAP IMAGERY FROM DANE COUNTY, 2020.
- 2. PARCEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.
- 3. \* = DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.



1 " = 150 1:1,800 PROJECT:

#### BRRTS #02-13-587341 ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

300

SOIL SAMPLING RESULTS MAP

DRAWN BY:	G. CORYELL	PROJ. NO.:	437865
CHECKED BY:	L. AUNER		
APPROVED BY:	J. RAMEY	FIGURE 8	
DATE:	SEPTEMBER 2021		



708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com

437865-SIR-008\_SS\_Results.mxd



Map US)

0	200	400 East	
1 " = 200 ' 1:2,400		Feel	
PROJECT:	BRRTS ROCKGEN 2346 CLEAR VIEW F DANE COUNT	#02-13-587341 ENERGY CENT RD, TOWN OF C Y, WISCONSIN	ER CHRISTIANA 53523
TITLE:	GROUNDW MARC	ATER RESU H/MAY 2021	ILTS
DRAWN BY:	G. CORYELL	PROJ. NO.:	437865
CHECKED BY:	L. AUNER		
APPROVED BY:	J. RAMEY	FIC	SURE 9
DATE:	SEPTEMBER 2021		
•>	TRC	70	8 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com
FILE NO.:		437865-SIR-009_GW	_RESULTS_MARCH_MAY.mxd



Map Rotation: 0 IPS 4803 Feet (Foot US) 1983 S ANSI B(11"x17") -- LAYOUT: / sn\_Energy\_Ce GCORYELL CTS/RockGer :57:33 AM I 9/7/202 Plot Date Path: \\en

/			
1400	Y S		
-			
10			
	۵	POTABLE WELL	
	۵		N WELL
PULL N	8	PIEZOMETER	
	0	STORM SEWER INI	LET/OUTLET
1	$\sim$	DRAINAGE CHANN	EL*
2		GROUNDWATER F	LOW DIRECTION
1	<b>(</b> 884.57 <b>)</b>	GROUNDWATER EI	LEVATION (FT AMSL)
	$\sim$	PFOA ISOCONTOU DASHED WHERE IN	R (NG/L), NFERRED
1	$\sim$	GROUNDWATER E CONTOUR (0.5 FT,	LEVATION FT AMSL)
	$\sim$	CROSS SECTION T	RANSECT
		APPROXIMATE ARE	EA OF AFFF INSPECTION TESTING
		APPROXIMATE EX	TENT OF SEPTIC MOUND
1		PROPERTY BOUND	DARY
		PARCEL BOUNDAR	Υ
		SITE EXTENT FOR	PURPOSE OF INVESTIGATION
	GROUND RED BOLI BLUE BO	WATER RESULTS FO = RESULT EXCEED LD = RESULT EXCEED	DR SELECT PFAS (ng/L) DS RECOMMENDED NR 140 ES EDS RECOMMENDED NR 140 PAL
R	<u>NOTES</u>		
1	1. BASE 2 PARCE	MAP IMAGERY FROM I	DANE COUNTY, 2020. JIRED FROM WISCONSIN
	STATE	CARTOGRAPHER'S C	OFFICE PARCEL DATA.
	3. * = DR SHOW DRAIN	AINAGE CHANNEL APF 'S CHANNEL THAT APF 'AGE PATHWAY.	PEARS TO BIFURCATE; MAP PEARS TO BE PRIMARY
	4. GROU GROU	NDWATER ELEVATION NDWATER RESULTS F	IS MEASURED JULY 14, 2021. ROM SAMPLES COLLECTED
	0	200	N 400 ▲
	1 " = 200 '		Feet
10	1:2,400		
No. of the	PROJECT.	BRRTS ROCKGEN	#02-13-587341 ENERGY CENTER
a second	23	346 CLEAR VIEW R DANE COUNT	RD, TOWN OF CHRISTIANA Y, WISCONSIN 53523
	TITLE:	GROUNDW. JU	ATER RESULTS LY 2021
- Contraction	DRAWN BY:	G. CORYELL	PROJ. NO.: 437865
1	CHECKED BY: APPROVED BY:	L. AUNER J. RAMEY	FIGURE 10
	DATE:	SEPTEMBER 2021	
	$\Rightarrow$	TRC	708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com
	FILE NO.:		437865-SIR-010_GW_RESULTS_2021July.mxd



# <u>LEGEND</u>

DRAINAGE CHANNEL\*

APPROXIMATE AREA OF AFFF INSPECTION TESTING

- APPROXIMATE EXTENT OF SEPTIC MOUND
- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SITE EXTENT FOR PURPOSE OF INVESTIGATION



**GROUNDWATER RESULTS** PIE CHART AREA PROPORTIONAL TO SUM OF DETECTED PFAS (NG/L)



## ROCKGEN ENERGY CENTER 2346 CLEAR VIEW RD, TOWN OF CHRISTIANA DANE COUNTY, WISCONSIN 53523

GROUNDWATER RESULTS PIE CHARTS MARCH/MAY 2021

DRAWN BY:	G. CORYELL	PROJ. NO.: 437865
CHECKED BY:	L. AUNER	
APPROVED BY:	J. RAMEY	FIGURE 11
DATE:	SEPTEMBER 2021	
<b>⊘</b> 1	IRC	708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com

437865-SIR-011\_GW\_PIE\_RESULTS\_March\_May.mxd

FILE NO.:





ILE NO.:

**LEGEND** 

DRAINAGE CHANNEL\*

APPROXIMATE AREA OF AFFF INSPECTION TESTING

- APPROXIMATE EXTENT OF SEPTIC MOUND
- PROPERTY BOUNDARY
  - PARCEL BOUNDARY

SITE EXTENT FOR PURPOSE OF INVESTIGATION



GROUNDWATER RESULTS PIE CHART AREA PROPORTIONAL TO SUM OF DETECTED PFAS (ng/L)

	PERFLUOROBUTANOIC ACID (PFBA)	
	PERFLUOROPENTANOIC ACID (PFPeA)	
	PERFLUOROHEXANOIC ACID (PFHxA)	
	PERFLUOROHEPTANOIC ACID (PFHpA)	
	PERFLUOROOCTANOIC ACID (PFOA)	
	PERFLUORONONANOIC ACID (PFNA)	
	PERFLUORODECANOIC ACID (PFDA)	
	PERFLUOROUNDECANOIC ACID (PFUnA)	
	PERFLUORODODECANOIC ACID (PFDoA)	
	PERFLUOROTRIDECANOIC ACID (PFTrDA)	
	PERFLUOROTETRADECANOIC ACID (PFTA)	
	PERFLUOROBUTANE SULFONIC ACID (PFBS)	
	PERFLUOROPENTANE SULFONIC ACID (PFPeS)	
	PERFLUOROHEXANE SULFONIC ACID (PFHxS)	
	PERFLUOROOCTANE SULFONIC ACID (PFOS)	
	4:2 FLUOROTELOMER SULFONIC ACID (4:2 FTS)	
	6:2 FLUOROTELOMER SULFONIC ACID (6:2 FTS)	
	8:2 FLUOROTELOMER SULFONIC ACID (8:2 FTS)	
	PERFLUOROOCTANE SULFONAMIDE (PFOSA)	
NOTES	3	
1 B	- RASE MAD IMAGERY FROM DANE COLINTY 2020	
2. P.	PACEL BOUNDARIES ACQUIRED FROM WISCONSIN STATE CARTOGRAPHER'S OFFICE PARCEL DATA.	
3. * C	= DRAINAGE CHANNEL APPEARS TO BIFURCATE; MAP SHOWS CHANNEL THAT APPEARS TO BE PRIMARY DRAINAGE PATHWAY.	
4. G 2	GROUNDWATER RESULTS FROM SAMPLES COLLECTED JULY 14- 21, 2021.	
0	200 400	
	Feet	
1 " = 200	0' 1:2,400	
PRUJEU1.	BRRTS #02-13-587341	
l	2346 CLEAR VIEW RD, TOWN OF CHRISTIANA	
	DANE COUNTY, WISCONSIN 53523	
IIILE:	GROUNDWATER RESULTS PIE CHARTS JULY 2021	
DRAWN B	Y: G. CORYELL PROJ. NO.: 43786	35_
CHECKED	DBY: L. AUNER	-
APPROVE DATE:	ED BY: J. RAMEY SEPTEMBER 2021 FIGURE 12	
•	708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com	

Phone: 608.826.3600 www.trccompanies.com

437865-SIR-012\_GW\_PIE\_RESULTS\_2021JULY.mxd





Appendix A: Deed and Survey Map









**O**PP

NOTE: NAMES OF ADJOINING LAND OWNERS WERE NOT FURNISHED TO SURVEYOR. NOTE: THIS SURVEY IS BASED ON TITLE COMMITMENT NO. 03037538-630, HAVING AN EFFECTIVE DATE OF AUGUST 22, 2001. NOTE: TITLE COMMITMENT LISTS ADDRESS AS 2305 CARPENTER SWAIN ROAD. NOTE: ASSUMED NORTH ALONG THE WEST LINE OF THE NW 1/4 OF SECTION 23-6-12.



SURVEYOR: RONALD J. COMBS, RLS NO. 1330 COMBS AND ASSOCIATES, INC. 109 W. MILWAUKEE STREET JANESVILLE, WISCONSIN 53545 PHONE: (608) 752-0575 FAX (608) 752-0534

COMBS AND ASSOCIATES, INC. LAND SURVEYING - MAPPING - PLANNING JANESVILLE, WISCONSIN

GRAVEL DRIVE

321 +

- 50<sup>4</sup> 1316.86'

. W

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SHEET TWO OF TWO SHEETS

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CALPINE NBROOK

•	STATE BAR OF WISCONSIN FO	DRM 1 - 1998 CED	REGISTER O	r VEEDS
	WARRAUTED		3196	550
Document Number	<u> </u>	·····	03-08-200	0 1:13 PM
This Dood made betwee	Norman Thomas Carponte	-	Trans. Fee	8400.0
and Janet M. Carpenter	, as husband and wife	<u> </u>	Rec. Fee	14.00
			Pages	3
	•	_ Grantor,		
and RockGen Energy LLC				
	۲ 		0 0 0	341
Grantor, for a valuable con described real estate in Wisconsin (the "Property"):	nsideration, conveys to Grantee the Dana Coun	Grantee. following ty, State of		011
See Exhibit A attached	<del>l heisto-and</del> -incorporate	Bengdian	Area	c
herein by reference.		Recording	Area 	
		Terre	Q Tebikawa	
		Reinha	rt, Boerner, Van De	auren,
		Norris	& Rieselbach, s.c.	•
		P.O. B	lox 2018	
		Madiso	n, WI 53701-2018	
		08-061	2-232-8500-2	
		Parcel Iden	tification Number (PIN)	
		This is	homestead prop	erty.
		(is	s) <del>(is not)</del>	
- Grantor warrants that the See Exhibit B attached	title to the Property is good; indefi d hereto and incorporate	asible-in fee simple a d herein by ref	nd free and clear of encumb erence.	erances except-
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of	title to the Property is good, indefinded incorporate of the formation of	asible-in fee simple a d herein by ref	nd free and clear of encumb erence.	erances except-
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>M. J. M. Thomas</u>	title to the Property is good, indefinded hereto and incorporate f <u>March</u> , <u>2000</u> .	asible-in fee simple a d herein by ref	nd free and clear of encumb	rances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of <u>Mamma Thomas Carpen</u>	title to the Property is good, indefindent d here to and incorporate $f \underline{March}, \underline{2000}$ . $\sqrt{Cuput}$ ter	asible-in fee simple and herein by ref	nd free and clear of encumb	frances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of <u>Marmu Thomas</u> *Norman Thomas Carpen	title to the Property is good, indefind d hereto and incorporate f <u>March</u> , <u>2000</u> . V <u>Cuput</u> ter	asible-in fee simple and herein by ref	nd free and clear of encumb erence.	rances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of <u>Norman Thomas Carpen</u> <u>Norman Thomas Carpen</u> Janet M. Carpenter	title to the Property is good, indefinded d harato and incorporate f <u>March</u> , <u>2000</u> . V <u>Cymp</u> ter tub	essible-in fee simple and herein by ref	nd free and clear of encumb	Frances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of <u>Norman Thomas Carpen</u> <u>Amet M. Carpenter</u>	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . V <u>Cupue</u> ter	easible-in fee simple and herein by ref	nd free and clear of encumb	rances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of Marman Thomas Carpen Marman Thomas Carpen Janet M. Carpenter	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . V <u>Cuput</u> ter <u>th</u>	easible-in fee simple and d herein by ref	nd free and clear of encumb	Frances except-
- Grantor warrants that the See Exhibit B attached Dated this 2nd day of <u>Marman Thomas Carpen</u> <u>Amet M. Carpenter</u> AUTHENT	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . V <u>Cuput</u> ter <u>th</u> TICATION	asible-in fee simple and d herein by ref * * * STATE OF WISC	ACKNOWLEDGMENT ONSIN	rances except-
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Mamma Komus</u> <u>Norman Thomas Carpen</u> <u>Janet M. Carpenter</u> AUTHENT Signature(s)	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter <u>th</u> TICATION	* *	ACKNOWLEDGMENT ONSIN	Frances except-
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Norman Thomas Carpen</u> <u>* Norman Thomas Carpen</u> <u>* Janet M. Carpenter</u> AUTHENT Signature(s)	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter ter	*A STATE OF WISC	ACKNOWLEDGMENT ONSIN Scounty ONSIN	Frances except-
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Mamma Thomas Carpen</u> <u>Norman Thomas Carpen</u> <u>Janet M. Carpenter</u> AUTHENT Signature(s)	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter <u>th</u> TICATION	*A STATE OF WISC DANE Personally ca	ACKNOWLEDGMENT ONSIN me before me this 2 4	day.of
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Marman Thomas Carpen</u> <u>Norman Thomas Carpen</u> <u>Janet M. Carpenter</u> <u>AUTHENT</u> Signature(s) authenticated this day	title to the Property is good, indefind d hereto and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter ter TICATION	*  *  *  *  *  *  *  *  *  *  *  *  *	ACKNOWLEDGMENT ONSIN me before me this 2 2000_the Carponter	day.of
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- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Mamm Thomas Carpen</u> <u>Marman Thomas Carpen</u> <u>Manet M. Carpenter</u> <u>AUTHENT</u> Signature(s) <u>authenticated this</u> day <u>*</u> TITLE: MEMBER STATE BAU (If not,	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u>	*  *  *  *  *  *  *  *  *  *  *  *  *	ACKNOWLEDGMENT ONSIN accounty. County	day of above named and as who executed te same.
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- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Norman Thomas Carpen</u> <u>Norman Thomas Carpen <u>Norman Thomas Carpen</u> <u>Norman Thomas Carpen <u>Norman Thomas Carpen <u>Norman Thomas Carpen <u>Norman Thomas Carpen <u>Norman Thomas Carpen <u>Norman Thomas Carpen </u></u></u></u></u></u></u>	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cuput</u> ter <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u>	*A *A *A STATE OF WISC DANE Personally ca <u>MARCA</u> Norman Thomas Janet M. Carr husband and y to me known to be the foregoing instr <u>Ukpade</u>	ACKNOWLEDGMENT ONSIN are before me this 2.44 	day of above named and as who executed te same.
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Mamma Thomas Carpen</u> <u>Manuet M. Carpenter</u> <u>AUTHENT</u> Signature(s) <u>authenticated this</u> day <u>*</u> TITLE: MEMBER STATE BAI (If not,	title to the Property is good, indefined here to and incorporates  f	* * * * * * * * * *	ACKNOWLEDGMENT ONSIN County.	day of above named and as who executed te same.
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Marman Thomas Carpen</u> <u>Automation Buyen</u> <u>Janet M. Carpenter</u> <u>AUTHENT</u> Signature(s) authenticated this <u>day</u> * TITLE: MEMBER STATE BAN (If not, authorized by § 706.06, W THIS INSTRUMENT W	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Gymp</u> ter <u>ter</u> TCATION y of y of R OF WISCONSIN Wis. Stats.) WAS DRAFTED BY	* A STATE OF WISC DANE Personally ca MARCA Norman Thomas Janet M. Carry husband and y to me known to be the foregoing instr Ugaley * Elizabeth Notary Public Ster	CKNOWLEDGMENT ONSIN COUNTY Me before me this 2 County me before me before me this 2 County me before me	day of above named and as who executed te same. as orney
Frantor warrants that the See Exhibit B attached by See Exhibit B attached by States authorized by S 706.06, We THIS INSTRUMENT TO Signature of the second states and the second states authorized by S 706.06, We THIS INSTRUMENT TO Second states and the second states are second states are second states and the second states are sec	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . S <u>Cupub</u> ter <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u>	* * * * * * * * * *	ACKNOWLEDGMENT ONSIN accounty. County	day of above named and as who executed te same. orney corney
- Grantor warrants that the See Exhibit B attached Dated this <u>2nd</u> day of <u>Marman Thomas Carpen</u> <u>Marman Thomas Carpen <u>Marman Thomas Carpen <u>Marman Thomas Carpen <u>Marman Thomas Carpen <u>Marman Thomas Carpen <u>Marman Thomas Carpen </u></u></u></u></u></u>	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . Suput ter ter tub TICATION y of y of R OF WISCONSIN Wis. Stats.) WAS DRAFTED BY inhart. Boerner, Madison, WI 53701 ed or acknowledged. Both are	* A STATE OF WISC DANE Personally ca Morman Thomas Janet M. Carr husband and y to me known to be the foregoing instr Underform to me known to be the foregoing instr Underform State Bar N	ACKNOWLEDGMENT ONSIN COUNTY	day of above named and as who executed te same.
Franter warrants that the See Exhibit B attached Dated this 2nd day of Marman Thomas Carpenter Norman Thomas Carpenter Authenticated this	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . Suput ter <u>ter</u> <u>tub</u> TCATION y of y of R OF WISCONSIN Wis. Stats.) WAS DRAFTED BY <u>inhart. Boerner,</u> <u>Madison, WI 53701</u> cd or acknowledged. Both are	* * * * * * * * * *	ACKNOWLEDGMENT ONSIN accounty. County. County. T. Rodenkirch, Att te of Wisconsin s permanent. (If not, state es fember No. 1005980	who executed te same.
<ul> <li>Grantor warrants that the See Exhibit B attached</li> <li>Dated this <u>2nd</u> day of <u>Marman Thomas Carpen</u></li> <li><u>Norman Thomas Carpen</u></li> <li><u>Norman Thomas Carpen</u></li> <li><u>Manet M. Carpenter</u></li> <li><u>AUTHENT</u></li> <li>Signature(s) <u>AUTHENT</u></li> <li>authenticated this <u>day</u></li> <li>*</li> <li>TITLE: MEMBER STATE BAI (If not, <u>authorized by § 706.06, W</u> THIS INSTRUMENT W</li> <li><u>Jesse S. Ishikawa, Rejet al., PO Box 2018, M</u> (Signatures may be authenticated not necessary.)</li> <li>*Names of persons signing in any capacity</li> </ul>	title to the Property is good, indefind d harato and incorporate f <u>March</u> , <u>2000</u> . <u>V</u> <u>Gymb</u> ter <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>ter</u> <u>te</u>	* * * * * * * * * *	ACKNOWLEDGMENT ONSIN accounty. County. County. acco	ances except-

2 003

# EXHIBIT A

# LEGAL DESCRIPTION

 $0\ 0\ 0\ 3\ 4\ 2$ 

The West Half of the Northwest Quarter (W1/2N1/4) of Section Twenty-Three (23), Township Six (6) North, Range Twelve (12) East, in the Town of Christiana, Dane County, Wisconsin.

Tax Parcel Nos:	08-0612-232-8500-2
	-08-0612-232-9000-5

#### CALPINE NBROOK

## EXHIBIT B

# EXCEPTIONS TO WARRANTY DEED

# 000343

1) General taxes for the year 2000 and future years.

2) Rights of the public in that portion of the subject premises lying within the limits of Clear View Road, Koshkonong Road, and Carpenter Swain Road.

 Easement, granted to Wisconsin Power and Light Company by an instrument-recorded: August 10, 1927, Volume 80 of Mise, Page 182, as Document No. 477974.

4) Rights of adjoining owner on the East in and to the use of the joint driveway situated partly on the subject land and partly on the land adjoining on the East disclosed by Agreement recorded: April 28, 1919, Volume 45 of Misc, Page 404, as Document No. 378650.

Reiterated by reference in a certain deed to said land adjoining on the East recorded: August 18, 1975, Volume 605 of Records, Page 395, as Document No. 1439706.

MADISON/6192217-17 02/21/2000 - -



Appendix B: Background Information





Well Construction Report WISCONSIN UNIQUE WELL NUMBER KS120						0		Drinking Water and Groundwater - DG/5 Form 3 Department of Natural Resources, Box 7921 Madison WI 53707						3300-077A		
Property ROCK G	EN ENERGY L	LC			Phor	ne #		1. \	1. Well Location					Fire # (if	avail.)	
Moiling 650 DUN								То	wn d	of CI	HRISTIAN	4				,
Address	NDEL ND #330							Str	reet	Add	ress or Ro	ad Name a	and Num	ber		
City NORTHBROO	ЭК		State IL	Zip Co	de	60062		EN	ITEF	r of	F OF CLE	AR VIEW	RD			
County	Co. Permit #	Notificatio	n #		Сс	mpleted		Sul	bdiv	risior	Name			Lot	# B	lock #
Dane 04-02-2001							1									
Well Constructor (Business Name) Lic. # Facility ID # (Public							ells)	La	itituc	de / L	_ongitude i	n Decimal	Degree	(DD)	Method	Code
C T W CORP			364								°N			°W	GPS008	3
Well						roval #		i	S١	N	NW	Section	Townsh	nip	Range	
A data a 04500 M					or (	Gov	t Lot	: #	23	6	N	12	Е			
Address 21500 W GOOD HOPE RD LANNON WI 53046-9720					Date	(mm-dd-yy	vyy)	2. ۱	Well	І Тур	oe New V	Vell		-		
04-1					00			of p	prev	rious	unique we	ell #	C	onstruct	ted in	
Hicap Permanent Well # Common Well # Specific C					Capad	city		Re	asoi	n for	replaced of	or reconstr	ucted we	ell ?		
2353		002	g	9.2				OR	RIGII	NAL	TOO CLO	SE TO FU	E			
3. Well serves	# of POWER P	LANT	Н	icap We	∥?	Yes										
			Н	icap Pro	perty	?										
Heat Exchange	_# of drillholes		н	icap Pot	able	?		Co	nstr	uctic	on Type D	rilled				
4. Potential Conta	mination Sour	ces - ON RE	VERSE SID	E				-								
5. Drillhole Dimen	sions and Con	struction Me	thod				Ge	olog	у		8. Geolog	<b>y</b> Type,		F	From (ft.)	To (ft.)
Dia. (in.) From (ft.)	To (ft.) Up	per Enlarged			Lowe	er Open	Со	des			Caving/No Hardness	oncaving, ( . etc	Color,			
24 Surface	e 70 Dri	llhole				Bedrock	т	Н	L	Ν	LIMESTO	NE BROW	/N, HAR	D	Surface	55
18 70	514	Rotary - M	ud Circulatior	יייייי		NI-	_			0	SOME SA	NDSTON		RS		400
12 514	1043 Ye	S Rolary - Al	r & Ecom			<u>INO</u>	ŀ	-	N	Q	WHITE W/SHALE LAYERS				55	130
		Drill-Throu	ah Casing Ha	ammer	•		-	L	L H - DOLOMITE GRAY W/SHALE				=	130	180	
		Reverse R	otary				_	LAYERS & SANDSTONE					180	1030		
		Cable-tool	Bitin. d	ia			-	-	- N - SANDSTONE MULTI COLOR				IX	1030	1043	
		Dual Rotar	y						-							
		Temp. Out	er Casing	in. dia												
		explain on	back side)	η π. (if NO	,											
6. Casing, Liner, S	creen						9.	Stati	ic W	/atei	r Level			11. We	ell is	
Dia. (in.) Material,	Weight, Specifi	cation		From	(ft.)	To (ft.)	11	0 ft.	belo	w gi	round surfa	ice		24 in.	above gra	ade
Manufacti	urer & Method of	of Assembly					10	. Pur	mp <sup>·</sup>	Test	1			Develo	ped?	Yes
18 CASING	STEEL 70.6# A	53B NKK WE	LDED	Sur	face	70	Pu	mpin	ng le	vel 1	175 ft. belo	w surface		Disinfe	ected ?	Yes
12 CASING	STEEL 44.5# A	53B			0	514	Pu	mpin	ng at	t 600	GP M for	24 Hrs.		Cappe	d?	Yes
Dia. (in.) Screen ty	pe, material & s	slot size		From	(ft.)	To (ft.)	Pu	mpir	ng M	letho	od ?					
							12	. Not	ified	l Ow	ner of need	d to fill & s	eal ?			
7. Grout or Other	Sealing Materia	al														
Method GROUT S	SHOE															
Kind of Sealing Mat	terial	From	(ft.) To (	ft.) # S	acks	Cement	Fill	ed &	Sea	aled	Well(s) as	needed?				No
CEMENT GROUT		Surfa	ace 5	14		351 S	ΒL	JT W	/E W	/ILL						
							13.	Cor	nstru	uctor	/ Supervis	ory Driller	Lic	#	Date	Signed
							WA	٩C							05-02	2-2001
							Dri	ll Rig	g Op	erat	or		Lic	or Reg #	# Date	Signed
							CC	βM							05-17	7-2001

4a. Potential	Contamination S	ources	Is the well located in floo	dplain ?			
Comment:							
Water Qualit	y Text:						
Water Quan	tity Text:						
Difficulty Tex	kt:						
Created On:	07-19-2001	Created by:	WELL CONST LOAD	Updated On:	07-24-2001	Updated by:	WELL PROCESS
		·					

Well Construction Report WISCONSIN UNIQUE WELL NUMBER KS121							Drinking Water and Groundwater - DG/5 Form 3300-077 Department of Natural Resources, Box 7921 Madison WI 53707							300-077A	
Property ROCK G	EN ENERGY L	LC			Phone a	#		1. Well Location Fire # (						Fire # (if	avail.)
Mailing 650 DUN	DEE RD #350							Town of CHRISTIANA							
Address								Street	Addr	ess or Ro	ad Name a	and Num	ber		
City NORTHBROOK State IL Zip Code 60062						062		ENTE	r of	F OF CLE	AR VIEW	RD			
County	Co. Permit #	Notificatio	n #		Comp	oleted		Subdiv	ision	Name			Lot	# B	lock #
Dane					04-09	9-2001									
Well Constructor (Bu	usiness Name)	)	Lic. #	Facility II	D # (Publ	lic We	ls)	Latitu	de / L	ongitude	in Decimal	Degree	(DD)	Method (	Code
C T W CORP	P 364									°N		-	°W	GPS008	5
Well Plan Approval								S	W	NW	Section	Townsh	nip	Range	
								or Gov	rt Lot	#	23	6	N	12	Е
Address 21500 W	GOOD HOPE	RD 720		Approval	Date (mr	m-dd-yyy	ry)	2. Wel	І Тур	e Repla	cement				
				01-22-2	001			of prev	vious	unique we	ell # KS <sup>2</sup>	117 c	onstruct	ted in 2	2001
Hicap Permanent W	/ell #	Common We	ell#	Specific	Capacity	,		Reaso	n for	replaced	or reconstr	ucted we	ell ?		
3062		005		10				ORIGI	NAL	TOO CLC	SE TO FU	E			
3. Well serves #	t of OFFICE T	O POWER PL	ANT	Hicap W	ell ?	No									
				Hicap Pr	operty?	Yes									
Heat Exchange	# of drillholes			Hican Po	table 2			Constr	uctio	n Type [	Drilled				
4 Potential Contan	nination Sour		/FRSE SI					001101							
5. Drillholo Dimono	ione and Con						Ca			9 Cooler				-rom (ft )	To (# )
5. Drilinole Dimens			thod				Co	des		Caving/N	<b>gy</b> Type, oncaving, (	Color,		-10111 (IL.)	10 (11.)
Dia. (in.) From (π.)	10 (π.) Up	per Enlarged			Lower C Be	Open drock	_			Hardness	, etc		-		
	001	Rotary - M	ud Circulati	on			Т	HL	Ν	SOME SA	NE, BROV	//N, HAR E	LD,	Surface	70
6 100	215 Ye	<u>s</u> Rotary - Ai	r		. <u>I</u>	<u>No</u>	-	- N	н	SANDST	ONE ORA	NGE TO		70	135
		Rotary - Ai	r & Foam				~			WHITE W	//SHALE L	AYERS	_		
		Drill-Throug	gh Casing H	lammer			G	- L	н	LAYERS	IE GRAY	W/SHALE	=	135	215
		Reverse R	otary												
		Cable-tool	Bitin.	dia											
		Dual Rotar	y	in dia											
		Removed	den den	th ft (If N	0										
		explain on	back side)		•										
6. Casing, Liner, So	creen						9. \$	Static V	Vater	Level			11. We	ell Is	
Dia. (in.) Material, V	Veight, Specifi	cation		From	n (ft.) T	To (ft.)	59.	5 ft. bel	ow gi	round surf	ace		24 in.	above gra	ade
Manufactu	irer & Method	of Assembly					10.	Pump	Test				Develo	oped?	Yes
6 CASING, S	STEEL, 20.9#	A53B, NKK, V	VELDED	Su	rface	100	Pur	nping le	evel 6	7 ft. belov	v surface		Disinfe	ected ?	Yes
Dia. (in.) Screen typ	be, material & s	slot size		From	n (ft.) T	To (ft.)	Pur	nping a	t 75 (	GP M for 4	Hrs.		Cappe	ed ?	Yes
							Pu	mping N	/letho	d?					
7. Grout or Other S	ealing Materi	al					12	Notifier	1 Owr	ner of nee	d to fill & s	eal ?			
Method TREMIE F	VMPED							. totillot							
Kind of Sealing Mate	erial	From	(ft.) To	(ft.) # S	Sacks Ce	ement									
CEMENT GROUT		Surfa	ace	100		87 S	Fille	ed & Se	aled	Well(s) as	needed?				No
							вU	T WE V	VILL						
							13.	Constru	uctor	/ Supervis	ory Driller	Lic	#	Date	Signed
							WA	C						05-02	2-2001
							Dril	l Rig Or	perato	or		Lic	or Reg #	# Date	Signed
							CG	M						05-17	7-2001
						l									

4a. Potential	Contamination S	ources	Is the well located in floo	dplain ?			
Comment:							
Water Qualit	y Text:						
Water Quan	tity Text:						
Difficulty Tex	kt:						
Created On:	07-19-2001	Created by:	WELL CONST LOAD	Updated On:	07-24-2001	Updated by:	WELL PROCESS

Well Construction Report WISCONSIN UNIQUE WELL NUMBER KS122								Drinking Water and Groundwater - DG/5 Form 3300-0 Department of Natural Resources, Box 7921 Madison WI 53707						3300-077A		
Property ROC	K GEN ENERGY	LLC			Ph	none #		1.	Wel	l Lo	cation				Fire # (if	avail.)
Mailing 650		<u>ו</u>						Т	own	of C	HRISTIAN	Ą				
Address		,						St	treet	Add	ress or Ro	ad Name a	and Num	ber		
City NORTHBROOK State IL Zip Code 60						60062		ENTER OFF OF CLEAR VIEW RD								
County Co. Permit # Notification # Completed						ed	Su	ubdiv	visio	n Name			Lot	# B	lock #	
Dane 05-21-																
Well Constructo	or (Business Name	;)	Lic. #	Facili	ity ID #	(Public V	Vells)	ells) Latitude / Longitude in Decimal Degree (DE			(DD)	Method (	Code			
C T W CORP			364					°N °W						°W	GPS008	}
				Well	Plan Ap	oproval #		T	SI	N	NW	Section	Townsh	nip	Range	
Address 0450					or	Gov	rt Lo	t #	23	6	N	12	Е			
Address 2150	Appro	oval Da	te (mm-dd-	уууу)	2.	Wel	ΙТу	pe Repla	cement							
0								of	prev	vious	unique we	ell # KS1	116 c	onstruct	ed in 2	2000
Hicap Permanent Well # Common Well # Specific					ific Cap	oacity		Re	easo	n foi	replaced o	or reconstr	ucted we	?		
3061		004		8.5				U								
3. Well serves	# of POWER F	PLANT		Hicap	Well ?	Ye	S									
				Hicap	Prope	rty? Ye	S									
Heat Exchange	# of drillholes			Hicap	o Potabl	le?		Сс	onstr	uctio	on Type D	Drilled				
4. Potential Co	ntamination Sou	rces - ON RE	VERSE	SIDE												
5. Drillhole Din	nensions and Co	nstruction M	ethod				Ge	eolog	gy		8. Geolog	<b>gy</b> Type,		F	From (ft.)	To (ft.)
Dia. (in.) From	(ft.) To (ft.) U	pper Enlargeo	ł		Lo	wer Ope	— Co n	odes			Caving/No Hardness	oncaving, , etc	Color,			
24 Sur	face 70 D	rillhole				Bedroo	<sup>к</sup> т	Н	L	Ν	LIMESTC	NE BRAO	WN HAF	D	Surface	57
18	70 514	Rotary - N	Iud Circula	ition		Nia		-	SOME SANDSTONE LAYERS					07		
12	514 982 <u>Y</u>	es Rotary - A	ir & Foam			<u>No</u> No			WHITE W/SHALE & DIRT				97			
		Drill-Thro	ugh Casing	) Hamm	ner				L	Н	DOLOMI		) GRAY		97	220
		Cable-too	Rotary I Bitir	n. dia			-	-	N	L	SANDSTO	ONE W/DO		&	220	982
		Dual Rota	iry									ATERO				
		Remove	ad? de	IN	I. dia											
		explain or	h back side	) )												
6. Casing, Line	er, Screen						9.	Stat	tic V	late	r Level			11. We	ell Is	
Dia. (in.) Mater	ial, Weight, Specif	ication		F	From (ft	.) To (f	t.) 11	0 ft.	belo	ow g	round surfa	ace		24 in. a	above gra	ade
Manu	facturer & Method	of Assembly					10	). Pu	Imp	Tes	t			Develo	ped?	Yes
18 CASII	NG STEEL 70.6# /	453B NKK W	ELDED		Surfac	e 7	<sup>′0</sup> Ρι	impi	ng le	vel	190 ft. belo	w surface		Disinfe	ected ?	Yes
12 CASI	NG STEEL 49.5#	453B WELDE	D			0 51	<sup>4</sup> Ρι	impi	ng at	t 680	OGP M for	24 Hrs.		Cappe	d ?	
Dia. (in.) Scree	n type, material &	slot size		F	From (ft	) To (f	t.) Pi	umpi	ing N	1eth	od ?					
							_ 12	. No	tified	l Ow	ner of nee	d to fill & s	eal ?			
7. Grout or Oth	her Sealing Mater	ial														
Method GRO	JT SHOE						_									
Kind of Sealing	Material	From	(ft.) T	o (ft.)	# Sacl	ks Ceme	nt Fil	led 8	& Se	aled	Well(s) as	needed?				Yes
CEMENT GRO	UT	Sur	face	514		456	s									
								-			10		1		-	0
							13	. Co	nstru	uctor	· / Supervis	ory Driller	Lic	#	Date	Signed
							W	AC							05-25-2001	
							Dr	ill Ri	ig Op	perat	tor		Lic	or Reg #	# Date	Signed
							C	ЗM							06-05	5-2001

4a. Potentia	I Contamination S	ources	Is the well located in floo	dplain ?			
Comment:							
Water Qualit	ty Text:						
Water Quan	tity Text:						
Difficulty Tex	xt:						
Created On:	07-19-2001	Created by:	WELL CONST LOAD	Updated On:	07-24-2001	Updated by:	WELL PROCESS



# Appendix C: Soil Boring and Well Documentation
Route To:
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	2	
Facilit	y/Projec	et Nam	ne Corr			License/I	Permit/	Monito	ring N	umber		Boring	Numbe	er	$\mathbf{W} \mathbf{O}^{1}$		
Boring	2 Drilleo	By: ]	gy Cer Name of	rer crew chief (first, last) a	nd Firm	Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted			ling Method	
Tra	vis W	hittak	er									-8	1				
Cas	cade						4/22	/2021				4/23/2	2021		ro	tosonic	
WI Uı	ique W	/ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	r r	Surfac	e Elevat	tion Faat N	ACT	Bo	8 0 inches		
Local	Grid Or	rigin	(est	timated: 🗌 ) or Bor	ing Location	005	.916		L	-	Local C	Frid Loo	cation		0.0	menes	
State	Plane	U	35	7606 N, 2222754	E S/C/N	La	t <u>42</u>	<u>° 58</u>	37	.898 "			ΠN	ſ		Ε	
NW	1/4	of N	W 1/	4 of Section 23,	T 6 N, R 12 E	Long	<u>s 89</u>	<u>°</u> 2	<u>' 59</u>	.606 "		Feet	S			Feet 🗌 W	
Facilit	y ID			County		County Co	de	Civil To Towr	own/C	ity/ or "bristi	Village						
Sar	nnle			Dane		15		TOWL				Soil	Prope	erties			
<u> </u>				Soil/P	ock Description											-	
	tt. & d (ir	unts	Feet	And Ge	ologic Origin For						sive					ß	
ber	th A vere	Col	h In	Fac	h Maior Unit		S ()	hic	ram	Ē	gth	ture		icity		men	
L pu	Leng	Blow	Dept				U S C	Grap	Vell Diag	, Q	Com	Mois Cont	imi	Plast	5 20(	SQD Com	
1	54			SILT (ML), trace to few	v fine sand, cohesive,	Г	ML	Ш							<u> </u>	Top 6" soil	
CS	24		-	CLAYEY SILT (ML).	ery dark brown. trace fine sand, occasiona	al fine		HI								removed prior to setting mud	
			-3	gravel, cohesive, non-pla	astic, 2 pieces medium gra	avel at		[]]								tub and drilling. Drill	
			-	buse of full.			ML									8" casing to rock, then	
2	60		Ē	Same as above, occasion	nal fine gravel.											advance with 6" casing and	
CS	24		-6					H11								4" core barrel.	
			-					[]]									
			-9	SANDY LEAN CLAY	(CL), 10YR 4/3 brown,	l haalraa	CL									Driller notes	
3	36		EF	rock.		/										drilling at 8.5	
CS	36			SILTY LEAN CLAY ( few to little fine gravel.	(CL-ML), trace to few fir mixed lithology, occasion	ne sand, al pieces r	CL-MI									leet.	
				of weathered macrocrys	talline rock, plastic, 10YR	ε 4/2   <sub>Γ</sub>	SC									Driller	
4 CS	84 24			CLAYEY SAND (SC),	some fines, few to little f	fine to		+								measurement	
			-15	medium gravel, mixed l 4/3 brown.	ithology, cohesive, plastic	, 10YR		+								rock.	
				DOLOMITE, mostly 1	0YR 6/4 light yellowish b	prown,		+									
			-18	possible brachiopod cast	t.	ions,											
								7									
5	120			Same as above, poor rec	overy, but recovered piec	es											
ČS	36		-21	generally larger than the $\sim 3/4"$ size (possible Si r	previous run; one brachie	opod dle of											
				recovered material appe	ars to be a mineralized fra	icture		77								Driller notes	
			-24	(or may be a layer of los	ssii snens).											from 22 to 23	
			-													leet.	
			⊧														
			-27													Driller notes	
			F					7		2						from 27 to 28	
			-30					-/		3						leet.	
I herel	by certif	fy that	the infor	mation on this form is tr	ue and correct to the bes	t of my kr	owled	ge.									

Signature Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
----------------	--	--

Borin	g Numb	er	MW	V-01 Use only as an attachment to Form 4400-12	22.						Pag	je 2	of	2
San	nple									Soil	Prope	rties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
7 NR 8 NR C		B		Same as above (dolomite), but almost entirely 10YR 6/4 light yellowish brown. No recovery. End of boring at 50 feet.				4						∠ ∪         Driller notes soft drilling from 30 to 32 feet while installing 8" casing (see notes below).         Driller notes very soft drilling from 38 to 40 feet (6" casing advances with very little resistance).         Drilled 6" casing to 45 ft, pulled back to allow drilling water out of casing and to check static WL.         WL changing very slowly; 6" casing becomes sandlocked when attempting to continue drilling.         Drillers advance 8" casing to 43 ft to free 6" casing.         Baroid Quik Gel added to mud to remove sand while freeing 6" casing.         Baroid Quik Gel added to mud to remove sand while freeing 6" casing; about 500 gal return water.         Solo gal return water.         Visto of sand/silt/clay sized material in return (mul tub) after freeing 4" core tube and 6" casing (mud tub approx. 1/2 full).

Route To: Watershed/Wastewater	
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Remediation/Redevelopment

Waste Management 
Other

														Paş	ge 1	of	2		
Facilit	y/Projec	t Nam Enor	ie www.Co	ntor			Licens	e/Permit	/Monito	ring Nı	umber		Boring	Numb	er M	W-02			
Boring	g Drilled	By: 1	Name o	f crew chief (firs	st, last) ai	nd Firm	Date I	Drilling S	tarted		Da	te Drilli	ng Con	npleted	101	Drill	ing Method		
Tra	vis Wl	nittak	er					0					C				c .		
Cas	cade					~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		4/26	5/2021		~ ~		4/29/2	2021		ro	tosonic		
WI Ur	iique W	ell No. [621		DNR Well ID	No.	Common Well Name	Final S	Static Wa	ter Leve	r I	Surfac	e Elevat	tion Faat N	161	Bc	orehole	ehole Diameter		
Local	V U Grid Or	igin	□ (e	stimated:	or Bor	ing Location X	884.8 Feet MSL 938.					Local (	reet N	cation		0.0	menes		
State Plane         357021 N, 2222798 E         S/C/N								Lat42	<u>2° 58</u>	<u>32.</u>	.118 "	200001			I		ПЕ		
NW 1/4 of NW 1/4 of Section 23, T 6 N, R 12						t 6 N, R 12 E	Lc	ong <u>8</u>	<u>e</u> _ 2	<u> </u>	.107 "		Feet	$\Box$ s		Feet 🗌 W			
Facilit	y ID			County			County	Code	Civil T	own/Ci	ity/ or V	Village							
	-		1	Dane			13		Town	1 of C	hristi	ana	~ 11		<u> </u>				
San	nple												Soil	Prope	erties		-		
	. &	ıts	eet		Soil/R	ock Description						ve							
r ge	Attered	Cour	In F		And Ge	ologic Origin For		S	2	E		essi	t re		ity		ents		
d Ty	ngth cove	) wc	pth		Eac	h Major Unit		SC	aphi g	ell agra	O/FI	mpr	oistu nten	nit	ıstic: lex	00	D/		
Nu anc	Le Re	Ble	De					Ď	<u>L g</u>	N. Di	Πd	Str Co	ΰğ	Li.	Pla	P 2	Co		
1	30		-	SILT (ML), lo ∖no odor, moist,	ow plastic , very stif	ity, very dark gray (7.5) f.	(R 3/1),	$/ \frac{ML}{CL}$				2.5					Top 6" removed with		
CS	30		F	SANDY LEAD	N CLAY	(CL), low plasticity cla	y, some	1	77			>4.5					shovel 8" temporary		
2	18		-3	(7.5YR 4/3), n	o odor, m	oist, hard.	wn		$Z_{\mathcal{T}}$								steel casing initially placed		
CS 3	6 60		L	DOLOMITE,	mostly p	ale brown (10YR 6/3) w	ith some		$Z_{\overline{z}}$								to 5 ft bgs. Borehole later		
cs	12			As above, very	pale bro	wn (10YR 7/3), possible	fossil		Ζ <sub>7</sub> Ζ								overdrilled		
			È	burrows, some	dark min	eralization on rock surfa	aces.		Z <sub>7</sub>								to 60 ft bgs		
			L						Z_Z								(see explanation at		
4	60		-9						Z,Z								bottom of boring log)		
CS	12		L						Ζ <sub></sub>										
			- 12						Z,Z										
			- 12						$\mathbf{Z}_{\mathbf{Z}}$										
~	(0)		-						$\mathbf{Z}$										
CS	30		-15																
			F																
			- 18																
6	60 36		-						$\square$										
05	50		-21						$\square$										
			-																
			-																
7	60		-24	As above, som	e sandy d	olomite and/or sandy po	ockets in		$\square$								Driller noted		
CS	42		F	dolomite. Fossi	iis includ	ing brachiopods noted.											for 24-29 ft		
			-27	Dolomite, no s mold present.	and obser	ved, gray (10YR 5/1), b	orachiopod	1	+								bgs interval.		
			F						$\not\models$										
8	60		-  -						$\not\models$										
	1		<u>-30</u>						<u> </u>										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	h	din A	nnes	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

Boring Number MW-02 Use only as an attachment to Form 4400-122.											Pag	ge 2	of	2
Sar	nple									Soil	Prope	erties		
	& (in)	ts	set	Soil/Rock Description					je					
r pe	Att. ered	Coun	In Fe	And Geologic Origin For	S	5	в		essiv h	t e		ity		ents
umbe d Ty	ngth cove	ow C	pth ]	Each Major Unit	sc	aphi	ell agra	D/FI	mpr	oistu	quid	astici lex	200	D/
N S U S U	Le Re	Bl	Ď	As above, color shares to very role brown $(10$ VD $7/2)$	D	53	Di U	Id	St C	Σΰ	ĒĒ	Pl6 Inc	Р	<u> </u>
CS	42		-	As above, color change to very pale brown (10 Y R //5) with some pale brown (10 YR 6/3). Some pieces have		+								
			- 22	At 31 ft bgs, color change to gray (10YR 5/1), occasional										
0	(0)			brachiopod mold.										
CS S	60 42		-											~6" soft
			-36			7,7								middle of
			-	At 37 ft bgs, color change to light yellowish brown (10YR $6/4$ )										interval.
10	60		-39	0/1)		$\mathbf{Z}_{\mathbf{Z}}$								
CS	42		-			$\mathbf{Z}_{\mathbf{Z}}$								
			- 12	As above, black dendritic mineralization noted on several		Ζ́Ζ								
			-42	rock pieces from 41-43 ft bgs, one rock piece has small vugs.		$\mathbf{Z}_{\mathbf{Z}}$								
11	60		-	As above, light brownish gray $(10YR 6/2)$			888 888	9						Driller noted
CS	54		-45											softness with 6" casing (not
			-	As above, light yellowish brown (10YR 6/4)										4" rods) around 46-49
			-48											ft bgs.
12	60		-			$\square$								Driller noted
CS	24		-51			$\square$								≈52-54 ft bgs.
				Describly and deleters an andstand Cuttings for 40.54	<u> </u>									
			-	ft bgs interval included fine- to medium-grained sand with										
13	36		-54	driller noted softness from 52-54 ft bgs /	+	···· ···								
NRC	0		-	No recovery.										
14	36		-57	No recovery.										
NR C	0		_											
	-		-60											
				End of boring at 60 ft bgs.										
				Borehole was overdrilled with 8" casing to 60 ft bgs due										
				to the following events: 4" rods got stuck at 56 ft bgs. Drillers advanced 8" casing to 56 ft bgs to release rods										
				and 6" casing, then drilled to target depth of 60 ft bgs with rods and 6" casing.										
				Bottom segment of 6" casing broke off in bottom of borehole, so drillers advanced 8" casing to 60 ft bgs										
				before retrieving broken piece of 6" casing.										
						1								

Route	To:	W

Watershed/Wastewater

Waste Management 
Other

														Pag	ge 1	of	2		
Facilit	y/Projec	et Nam Enor	ne rov Co	ntor			License	e/Permit/	Monito	ring N	umber		Boring	Numbe	er M	V_03	V_03		
Boring	g Drilled	By: ]	gy Ce Name o	f crew chief (	(first, last) a	nd Firm	Date D	rilling S	tarted		Da	te Drilli	ng Con	npleted	101 0	Drill	ing Method		
Tra	vis W	hittak	ter					U					C				U		
Cas	cade							5/3/	2021				5/4/2	021		ro	tosonic		
WI UI	ique W	ell No	•	DNR Well	ID No.	Common Well Name	Final Static Water Level Surface Elev					e Eleva	tion	(CI	Bo	rehole	hole Diameter		
Local	V U Grid Or	ioin		stimated ·	) or Bo	1 IVI W-U3		4.1 Fe		L		139.3 I	Feet N	/ISL		0.0	inches		
State	Plane	igili	35	56876 N,	2223299	E (S)/C/N	I	.at <u>42</u>	<u> </u>	<u>30</u>	.629 "	Local C			ſ		ПБ		
NW	1/4	of N	W 1	/4 of Section	23,	T 6 N, R 12 E	Lo	ng <u>89</u>	<u>°</u> _ 2	<u>2' 52</u>	.381 "		Feet			ļ	Feet 🗌 W		
Facilit	y ID			Cou	nty		County C	Code	Civil T	own/C	City/ or V	Village							
			1	Da	ine		13		Town	1 of C	Christi	ana							
Sar	nple												Soil	Prope	erties		-		
	(in)	ts	set		Soil/F	lock Description						e/							
r g	Att. red	uno	n Fe		And G	eologic Origin For			0			essiv h	е т.		t7		ents		
Tyl Tyl	igth sove	W C	oth I		Ea	ch Major Unit		C	phic 2	11 Prar	0/FII	npre	istur	nid	stici ex	8	D/		
Nur and	Ler Rec	Blo	Dej					n s	Gra Log	We Dia	DII	Co1 Str	Mo Coi	Lin	Pla Ind	P 2	RQ Coi		
1	54		E	SILT (ML	), dark brow	n (7.5YR 3/2), no odor,	dry,	ML	ЦЦ								Top 6" removed with		
CS	48		E	LEAN CL	AY (CL), lo	w plasticity, dark yellow	vish	/				4					shovel.		
			-3	brown (10)	(R 4/4), no o	odor, moist, very stiff.		CL				2.5							
			E		0.0	4.5.5.01						2							
2	12		F	As above, v	very soft from	n 4.5-5 ft bgs.	rand	SM	LI TA			<0.25							
$\frac{CS}{3}$	6 24		-0	little silt, lit	tle fine to co	arse angular gravel (sor	ne red,		$\mathbb{Z}$										
CS	12		F	DOLOMI	two pieces o	t plastic (FILL). wnish gray (10YR 6/2).	no odor.	/											
4 CS	60 24		-9	some piece	s with darke	r coloration on one or me	ore faces		Ζ́Ζ										
			F	(stanning of	mmeranzai	ion), some trace tossiis.			$Z_{\mathcal{T}}$										
			F	Color chang	ge to light ye	llowish brown (10YR 6/	4), black		$Z_{\mathcal{T}}$										
			- 12	speckles/de	ndritic mine	ralization on some rock	faces.		$Z_{7}$										
5	60 24		F						$Z_{7}$										
CS	27		-15						$Z_{7}$										
			F						$Z_{7}$										
			F						$Z_{\mathcal{I}}$										
6	60		-18	As above, o	occasional bi	achiopod fossil.			$Z_{7}$										
CS	18		F						7,7										
			-21																
			F																
7	60		F																
ĊS	24		-24																
			F																
			-27	Color chang	ge to gray (1	0YR 5/1), fossils noted.			+7										
0	(0)		<u> </u>						<u> </u>										
°CS	60 24		F						$\overline{+}$										
			-30						. //										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Jdia I	Fi	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	1			

Borin	g Numł	ber	MW	<b>V-03</b> Use only as an attachment to Form 4400-1.	22.						Pag	ge 2	of	2
San	nple									Soil	Prope	erties		
	& n)		*	Soil/Rock Description										
0	att. d	unts	Fee	And Geologic Origin For					sive					ts
ber	th A vere	Ŋ	h In	Each Maior Unit	S C	hic	ram	<u> </u>	pres gth	ture	p _	icity	_	men
[um]	eng teco	low	Dept		] S (	ìrap .og	Vell Jiagi	[ []	omj	Aois	imi	lasti ndex	20(	OD III
a 7	ЧЖ	щ		Color change to light brownish gray (10YR 6/2) from				Ч	S	20		L P	Ч	<u> </u>
			-	approximately 30-32 ft bgs and 32.5-33 ft bgs. Some rock		$\square$								
				fragments.		$\overline{-}$								
9	60		-33	Color change to pale brown (10YR 6/3) with brownish		$\square$								Driller noted
CS	30			yellow (10YR 6/8).		<u> </u>								softness around
			- 26											36-36.5 ft bgs.
			- 30	Around 36 ft bgs, rock pieces are smaller (~1" or less). 3"		$\overline{\Box}$								
			-	chunk of elay holed.		Ζ,Ζ								
10 CS	60 30		-39			7,7								
CD	50			Color shows to light horses is and (10VD (/2)		77								
				occasional trace fossils and shells.										
			-42											
11	60		-			$\square$								
CS	30		-			$\perp$								
			-45			<u> </u>	**							
						44								
			_ 10			$\overline{\Box}$		•						
12	60		-48			Ζ,Ζ								
CS	24		-			Z,Z								
			-51			77								
			-											
13	60			No recovery										Driller noted
NR	0		-54	No recovery.										very soft.
c			-											
			-57											
14	60			No recovery.										
NR	0		- 60											
C														
			-											
15	24		-63	No recovery										
$\frac{13}{NR}$	0		-	No recovery.										
			-	End of boring at 65 ft bgs.										

Route	To:	V

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	2
Facilit	y/Projec kGen	t Nam Ener	e ov Cer	nter		License/I	Permit	Monito	ring N	umber		Boring	Numb	er — M	<b>₩_</b> ∩⁄	1
Boring	Drilled	By: 1	Name of	crew chief (first, last) a	nd Firm	Date Dri	lling S	tarted		Da	te Drilli	ng Con	npleted	101	Dril	t ling Method
Tra	vis Wl	hittak	er				_ / /					-	-			-
Cas	cade	ell No		DNR Well ID No	Common Well Name	Final Sta	$\frac{5/4}{\text{tic Wa}}$	/2021 ter Leve	1	Surfac	e Fleve	$\frac{5}{6}/2$	021	B	orehole	Diameter
WI UI	VU	J633		Divic wen ib ivo.	MW-04	884	.8 Fe	et MS	L	Surrac	940.8	Feet N	/ISL		6.0	inches
Local	Grid Or	igin	(est	timated:  ) or Bor	ing Location	T-	. 47	)° 58	2' 32	100 "	Local C	Grid Loo	cation			
State NW	Plane	of M	35 W 1/	7021  N, 2222923	E (S)/C/N	La	1 <u>12</u>	<u> </u>	<u> </u>	423 "		Fast		I		E E
Facilit	y ID	01 11	<b>vv</b> 1/	County	10 N, K 12 E	County Co	de	Civil T	own/C	ity/ or	Village	гееі				reet 🗆 w
				Dane		13		Town	n of C	Christi	ana					
San	nple											Soil	Prope	erties		_
	. & (in)	ıts	eet	Soil/R	lock Description						ve					
er /pe	n Att ered	Cour	In F	And Ge	eologic Origin For		S	. <u>.</u>	u u		th	at a		ity		ients
umb id Ty	ength	low (	epth	Eac	ch Major Unit		SC	raph	'ell iagra	D/F	ompu	oistu	quid	astic dex	200	QD/ omm
at N	Ч Х Х	B		POORLY GRADED O	GRAVEL WITH SAND (	(GP).			≯ ∩	P	<u>5</u> 2	Σŭ	ΞΞ	PI 1		<u> </u>
$\frac{1}{CS}$	54 18			mostly fine to coarse su coarse-grained sand, fex	bangular gravel, some fine v silt, few cobbles, browni	- to sh		0								removed with shovel.
			-3	yellow (10YR 6/6), no o	odor, moist, loose (FILL).			$P_{O}$								
								$_{0}$ $\bigcirc$								
2	36							0								
CS	18		-6				GP	$O_{a}($								
2	60		El					$\circ \bigcirc$								
CS	24		-9					$\left  \begin{array}{c} \circ \end{array} \right  \right\rangle$								
								0								
			-12					0								
4	60		F	<b>DOLOMITE</b> , pale bro	wn (10YR 6/3), orange-ish	fossil										8" temporary
ĊS	9		-	burrows, some dark den fractures, occasional sm	dritic mineralization along	Ş										casing installed to 14
			$\begin{bmatrix} 13 \\ \end{bmatrix}$													ft bgs, bentonite
								$\mathbf{Z}_{\mathbf{Z}}$								chips used to fill gap
5	60		-18					Z <sub>7</sub> Z								between casing and
CS	24							Ζ <sub></sub> Ζ								soil.
			-21					$\mathbf{Z}_{\mathbf{Z}}$								
			-					$\Box$								
6	60			As above, shell fossils a	nd fossil burrows (althoug	h fewer										
CS	30			than in 13-18 ft bgs inte	erval), some voids in fossil	spaces.										
			-27					$\mid \neq \neq$								
7	60 30		F	Color change to dark gr	ay (10YR 6/1) from 28-29	.5 ft		<u> </u>								Driller noted
0.5	50		-30	~ <del>~</del> ~				<u> </u>								circulation of
I hereb	y certif	y that t	the infor	mation on this form is th	ue and correct to the best	t of my kr	nowled	ge.								

Signature	rdia A	Fin	<sup>n</sup> TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
A_			,	

Borin	g Numb	er	MW	Use only as an attachment to Form 4400-12	22.						Pag	ge 2	of	2
San	nple									Soil	Prope	erties		
	(ii) &	ts	gt	Soil/Rock Description					e					
ř	Att. red (	oun	n Fe	And Geologic Origin For	-		u u		essiv h	5 T		ty		ints
Typ	igth sove	C ≪	oth I	Each Major Unit	CS	phic	ll grar	NFII	npre	istur	uid	sticil ex	00	D/
Nur and	Len Rec	Blo	Dep		N S	Gra Log	We Dia	PIC	Co1 Stre	Mo Cor	Lin	Pla: Ind	P 2(	Cor
			-	Color change to light yellowish brown (10YR 6/4) to brownich yellow (10YR 6/8)		+/								water starting
			FI	Color change to gray (10YR 6/1).										of the 28-33 ft
8	60		-33	Color change to pale brown (10VR 6/3) to grav (10VR										(no drilling
CS	30		F	6/1), some shell fossils and voids (might be spaces		Ζ <sub></sub> Ζ								from this
				between fossils) noted.		$\mathbf{Z}_{\mathbf{Z}}$								point on).
			- 36			$\mathbf{Z}_{\mathbf{Z}}$								
			-			Z,Z								
9 CS	60 30		-39			$Z_{\mathcal{I}}$								
						$\mathbf{Z}_{\mathbf{Z}}$								
				As above, no fossils or voids observed.		Z,Z								
			42			<b>Z</b> ,Z								
10	60		E	As above, possible fossil burrows.		7,7								
CS	48		-45											
							***							
11	60		-48											
CS	24													
			-51					-						
12	60		E I	As above, vugs noted from 52-56 ft bgs.		+								Driller noted
CS	12		-54			+								56-58 ft bgs
						+								possibly sand
			-57	No recovery (estimated to start at 56 ft bgs due to driller										or sandy.
				observations and poor recovery in this interval).										
$\frac{13}{NR}$ C	24 0		E I	No recovery.										
14	36		-60	No recovery.										6" casing got
NRC	0													stuck at 60 ft
			63											055.
15 NR C	24			No recovery.										
	0		F	End of hours at 65 ft has										
				End of borning at 65 ft bgs.										

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	W

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	2
Facilit	y/Projec	et Nam	ne For Cor	ator		License/I	Permit/	Monito	ring Nu	ımber		Boring	Numbe	er M	N 05	· · · ·
Boring	g Drilled	By: ]	By Cer Name of	crew chief (first, last) a	nd Firm	Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted	101 0	Drill	ing Method
Tra	vis W	hittak	ter				C					e	1			C
Cas	cade	7-11 NT-		DND W-11 ID N-	Comment Well Norma	Einel Cter	5/6/	2021	1			5/7/2	021	D	rot	tosonic
witt	iique w	en No J634	•	DINK Well ID No.	MW-05	884	.5 Fee	et MS	n L	Surfac	942.9	uon Feet N	ASL	Во	renole 6.0	inches
Local	Grid Or	rigin	(est	timated: 🗌 ) or Bor	ring Location	001	10			0.5 ( "	Local C	Frid Lo	cation		0.0	
State	Plane		35	7112 N, 2223295	E (S)/C/N	La	t <u>42</u>	<u> </u>	<u> </u>	<u>956 "</u>			ΠN	[		Ε
NW	1/4	of N	W 1/	4 of Section 23,	T 6 N, R 12 E	Long	<u>g 89</u>	$\frac{10}{\text{Civil T}}$	<u>52.</u>	<u>396 "</u>	Villaga	Feet			]	Feet 🗌 W
гасти	уШ			Dane		13	de	Town	own/Cl	hristi	ana					
San	nple					10						Soil	Prope	erties		
	E &	70	- <del>-</del>	Soil/R	lock Description											
. 0	Att ed (j	ounts	1 Fee	And Ge	eologic Origin For						ssive	a		~		nts
Typ	gth , over	w C	th I1	Eac	ch Major Unit		CS	phic	ll gran	/FIL	npre	istur itent	uid nit	sticit	00	D/
Nur and	Len Rec	Blo	Dep				U S	Gra Log	We Dia	PID	Cor Stre	Moi Cor	Lig	Plas Inde	P 2(	RQ
1	54			SILT (ML), dark brow	n (7.5YR 3/2).		ML									Top 6" removed with
CS	54		F	LEAN CLAY (CL), bi	rown (7.5YR 4/3).											shovel.
			=3													
2	(0)		F				CL									
<sup>2</sup> CS	36		6													
			-9	SILTY GRAVEL WI dolomite).	<b>FH SAND (GM)</b> (weather	red	GM									
3	36		EF	DOLOMITE, light bro	wnish gray (10YR 6/2).			Ľ,								Bedrock at 10
CS	24							ZZ								ft bgs, set 8" casing to 10.5
4	60							ZZ								ft bgs.
CS 4	20							$Z_{\mathcal{T}}$								
			-15					Ζ <sub>7</sub> Ζ								
			F					Γ <sub>7</sub>								
5	60		-18					$\square$								
ČS	33		F													
			$\mathbb{E}_{21}$					$\square$								
								$\parallel / /$								
6	60							$\parallel / /$								
ČS	34		-24					$\square$								
			F					$\not\models \not $								
			-27					$\vdash$								
7	60		F					<u> </u>								
CS	34															
			1 20				1	1		1	1	1	I	I		<u> </u>

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	test	~ &	l	wan	Y	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

Borin	g Numb	er	MW	Use only as an attachment to Form 4400-1	22.						Pag	ge 2	of	2
Sar	nple									Soil	Prope	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			E	Color change to gray (10Y 5/N)		$\mathbb{Z}$								
8 CS	60 32		33 36											
9 CS	60 24			Color change to yellowish brown (10YR 5/6) with brown (10YR 5/3). Angular sand-sized particles noted at top of interval may be pulverized dolomite.										
10 CS	60 24													
11 CS	60 15		-48 											
12 NR C	60 0		- 54 	No recovery										Driller noted sand feel around 52 ft bgs.
13 NR	120 0		57 	No recovery										Driller attempted 10 ft push with basket bit and no water, still
С			- 											no recovery.
				End of boring at 68 ft bgs per driller, but well depth to bottom measured at 68.5 ft bgs so end of boring assumed to also be 68.5 ft bgs.										

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	2
Facilit	y/Projec ckGen	et Nam Ener	ne rov Cei	nter		License/I	Permit/	Monito	oring N	umber		Boring	Numbe	er M	N-06	
Boring	g Drilleo	1 By: ]	Name of	f crew chief (first, last) a	und Firm	Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted		Drill	ing Method
Tra	vis W	hittak	ter				5/10	/2021				5/11/2	0021		ro	tosonia
WI UI	nique W	ell No		DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Lev	el	Surfac	e Elevat	tion	2021	Bo	rehole	Diameter
	VU	J635			MW-06	884	.4 Fe	et MS	SL	ç	939.4 ]	Feet N	1SL		6.0	inches
Local	Grid Or Plane	rigin	(es	timated:  ) or Bo	ring Location $\square$	La	t 42	° 58	8' 29	.337 "	Local C	irid Loo	cation			
NW	1/4	of N	W 1	$/4 \text{ of Section} \qquad 23.$	T = 0 N.R 12 E	Long	, 89	0	2' 54	.851 "		Feet		1		⊢ E Feet □ W
Facilit	y ID			County	1 0 10,11 12 1	County Co	de	Civil T	°own/C	ity/ or `	Village	1.000				
	-		1 1	Dane		13		Tow	n of C	Christi	ana	<u> </u>	-			
Sar	nple											Soil	Prope	rties		-
	t. & 1 (in)	ints	feet	Soil/F	Rock Description						ive					s
ype	th At verea	Cou	l n l	And G	ch Major Unit		S	iic	am	<u> </u>	sress	ture	-	city	_	nent
Jum T pu	Leng1 Reco	3low	Dept	La	en wajor enne		U S C	Grapl	Vell Diagr	, ID/I	Comp	Moist Conte	imit	Plasti ndex	200	Comi Comi
1	54			SILT (ML), very dark	brown (7.5YR 2.5/2).		ML	ΤΠ								
CS	54			LEAN CLAY (CL), b	rown (7.5YR 4/2).											
			-3	(0),	(,,,,,,),		CL									
2	26			<b>¬ SILTY GRAVEL WI</b>	TH SAND (GM) (weathe	ered r	GM	<u>لک</u> ر	∠ µ							D. I. J. 15
$\frac{2}{CS}$	36 24		6	\dolomite). DOLOMITE, very pal	e brown (10YR 7/3).	/		$\left  \frac{1}{2} \right\rangle$	~							ft bgs, set 8"
									~							bgs.
$\frac{3}{CS}$	12 6		-9													
$\frac{4}{CS}$	60 18		-													
05	10							$\angle$								
								Z-7	-							
5	60															
ĊS	24		-15													
			-					$\not\vdash$	/ _							
			-18					$\not\models \not\perp$								
6	60							+	-							
CS	22		-21					$\square$	-							
			-						- -							
7	60 24		$\begin{bmatrix} -24 \end{bmatrix}$													
0.5	27							$\angle$								
			-27					$\angle$								
0			<b>F</b>					É								
8	60		-30					μ_,7							L	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	tish	Sell	was	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

Boring Nu	umbe	r	MW	V-06 Use only as an attachment to Form 4400-12	22.						Pag	ge 2	of	2
Sample	e									Soil	Prope	erties		
Number and Type Length Att. &	Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS 32	2	-	-											
9 60 CS 22	02	-												
10 60 CS 30	0 6	-												
11 60 CS 30	0 6	-	- - 											
12 60 CS 24	04	-												
13 NR 0 O	0)	-		No recovery.		/_/								
14 NR 0	2)	-		No recovery.										
				End of boring at 65 ft bgs.										

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route Io:
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	2	
Facilit	y/Projec	t Nam Enor	ne	ntor		License/I	Permit/	Monito	ring N	umber		Boring Number					
Boring	g Drilled	By: 1	gy Ce Name o	f crew chief (first, last) a	and Firm	Date Drilling Started Date Dr					te Drilli	ng Cor	npleted	101	Drilling Method		
Tra	vis Wl	nittak	er				U					0	1			0	
Cas	scade						5/11	/2021				5/12/2	2021		rotosonic		
WI Uı	nique W	ell No		DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el T	Surfac	e Eleva	tion	101	Bo	rehole	Diameter	
Local	VU Grid Or	igin		stimated: 🗌 ) or Bo	MW-0/	884	.2 Fe	et MS	L		939.1	Feet N	/ISL		6.0	inches	
State	Plane	igin	3.	56288  N, 2223322	$E \otimes C/N$	La	t <u>42</u>	<u> </u>	<u> </u>	.816 "				I		ПБ	
SW	1/4	of N	W 1	1/4 of Section 23,	т 6 N, R 12 е	Long	g <u>89</u>	<u>° 2</u>	2' 52	.162 "		Feet		•		Feet 🗌 W	
Facilit	y ID			County	C	County Co	de	Civil T	own/C	ity/ or	Village						
			1	Dane	-	13		Town	<u>1 of C</u>	hrist	ana						
Sar	nple											Soil	Prope	erties		-	
	(ii)	ts	set	Soil/I	Rock Description						e/e						
pe r	Att. red	Joun	In Fe	And G	eologic Origin For			2	8		essiv h	e t		ty		ents	
mbe I Tyj	ngth cove	M O M	pth ]	Ea	ch Major Unit		C	iphi	il Igrau	)/FI	mpr	istu nten	uid nit	stici ex	00	)Q	
Nu	Lei Re	Blc	De				n s	L <sub>0</sub> L	We Dia	IId	Str. Co	δŭ	Lic	Pla Ind	P 2	Co RO	
1	54		L	SILT (ML), dark brow	/n (7.5YR 3/2), no odor, m	oist,	ML										
CS	54		L	LEAN CLAY (CL), b	rown (7.5YR 4/3), no odor	, moist,											
			-3	stiff.			CL										
			E														
2	12		-	SILTY SAND WITH	GRAVEL (SM), mostly fi	ine- to		節節									
$\frac{CS}{3}$	12 48		-0	subrounded gravel, light	t yellowish brown (10YR 6	arse 5/4),											
CS	12		F	moist, loose.													
			-9				SM	日日									
4	60		F														
CS	36		F 10														
			- 12	LEAN CLAY (CL), ~	2" brown clay with few		CL										
			F	CLAYEY SAND (SC	), mostly fine- to medium-g	rained	SC										
5	12		-15	sand, few fine to coarse	e gravel, few rounded cobble 5/4) no odor moist loos	ĺes, P ∕	GM										
CS	12		F	SILTY SAND (SM), 1	nostly sand, little fine to co	arse [	SM										
6 CS	60 30		-	subangular gravel, little (10YR 7/2) (possibly w	e subangular cobbles, light g veathered dolomite).	gray		77									
0.0	50		-18	DOLOMITE, light gra	ay (10YR 7/2).												
			F					$\square$									
7	$\begin{array}{c} 60 \\ 48 \end{array}$		-21														
0.0			F														
			F					+									
8	60		-24					+									
CS	30		F					$\square$									
			-27	3" grayish brown (10Y	R 5/2) dolomite around 26	ft bgs.		$\not\models \not $									
			È					$\not\models \not $									
9	60		F					$\not\models \not $									
	Ű		-30					<u> </u>									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	rdia A	Frincis	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	/			

Borin	g Numb	ber	MW	Use only as an attachment to Form 4400-1	22.	_	-				Pag	ge 2	of	2
Sar	nple									Soil	Prope	erties		
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	30		_											
10 CS	60 36													
11 CS	60 15													
12 CS	60 36			Color change to yellow (10YR 7/6) to brownish yellow (10YR 6/6).			888 88	*						
13 CS	60 9			A few pieces with many hollow/open fossil burrows.										
14 NR C	60 0		57	CLAY, brown (10YR 4/3), very hard.	CL				>4.5					Driller noted approximately 1 ft clay from 53-54 ft bgs. Drilling mud used from 54-70 ft bgs to prevent casing
15 NR C	60 0		60	No recovery.										from getting stuck in this interval (presumed sandstone), but borehole flushed with
16 NR C	72 0			No recovery.										clean water after drilling complete.
				End of boring at 70 ft bgs.										

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management 
Other

									Pag	ge 1	of	1	
Facility/Project Name RockGen Energy Center		License/Pe	ermit/l	Monitor	ing Nu	mber		Boring Number SB-01					
Boring Drilled By: Name of crew chief (first, last) and Firm		Date Drill	ing St	arted		Dat	e Drilli	ng Con	npleted		Drilling Method		
Patrick Goetz Direct Push Applytical			1/20	2021				1/20/2	0021		dual tube		
WI Unique Well No.   DNR Well ID No.   Commo	on Well Name	Final Stati	4/20/	er Leve	1 5	Surface	e Elevat	$\frac{1}{20/2}$	2021	Bc	Borehole Diameter		
		F	eet N	<b>A</b> SL			Fee	t MSI	L		2.0	inches	
Local Grid Origin (estimated: ) or Boring Loca State Plane 357618 N 2222696 F	ation 🛛	Lat	42	°58	' 38.0	021 "	Local G	rid Loo	cation				
NW 1/4 of NW 1/4 of Section 23, T 6	N, R 12 E	Long	89	<u>°</u> 3	0.1	379 "		Feet			I	Feet 🗌 W	
Facility ID County	C	ounty Cod	e	Civil To	own/Ci	ty/ or V	/illage						
Dane	1	3		Town	of C	hristia	ana	0.1	D				
Sample								Soil	Prope	erties			
3     E     E     Soll/Rock Desc       3     E     E     And Geologic O	cription Drigin For						sive					S	
a c a c a c a c a c a c a c a c a c a c	· Unit		S ()	hic	ram	Ē	pressigth	ture ent	t g	icity <	_	/ ment	
Dept   Dept   ,			U S O	Grap Log	Well Diag	PID/	Com	Mois Cont	Limi	Plast Indey	P 20(	RQD Com	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	LAY, medium gra dark gray, (FILL)	avel in		1010									
SILTY LEAN CLAY (CL), trac	ce to few fine to n	nedium											
sand, cohesive, plastic, 10YR 4/2	2 dark grayish brov	wn,											
			T -MI										
				XX									
SILTY GRAVEL (GM), broker	n rock in a sandy s	silt		6¢									
2 = 2 $-4$ $-4$ $-4$ $-a$ $-a$ $-a$ $-a$ $-a$ $-a$ $-a$ $-a$	te)	Y //4	UN	9(1)									
GP 1 End of boring at 4.2 feet. (Refu	usal)												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm TRC Environmental Corpor 708 Heartland Trail Madison, WI	rationTel: (608) 826-360053717Fax: (608) 826-3941
--	---

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management 
Other

														Pag	ge 1	of	1	
Facility	//Projec l/Gon	t Nar Enor	ne	ntar			License/Permit/Monitoring Number						Boring Number					
Boring	Drilled	By: 1	Name o	of crev	w chief (first, last) an	ıd Firm	Date Drilling Started Date D					te Drilling Completed				Drilling Method		
Patr Dire	ick G ct Pu	oetz sh Ai	nalytic	cal				4/20/	/2021			4/20/2021				dual tube DPT		
WI Un	ique W	ell No		DN	NR Well ID No.	Common Well Name	Final Sta	tic Wat	er Leve	el	Surfac	e Elevat	tion	_	Bo	rehole	Diameter	
Local(	<u></u>	iain		atimat	tadı 🗌 ) an Pari	ng Logation N		Feet N	ASL			Fee	t MS	[		2.0	inches	
State I	Plane	igin	35	5761	1  N, 2222706	E (S)/C/N	La	t <u>42</u>	<u>° 58</u>	37.	.950 "	Local C	mid Loo	ation			ПБ	
NW	1/4	of N	W 1	1/4 of	Section 23,	т 6 N, R 12 E	Long	g <u>89</u>	°3	<u>'</u> 0.	.246 "		Feet			1	Feet W	
Facility	/ ID				County	C	County Co	de	Civil To	own/C	ity/ or	Village						
	1.		1		Dane		13		Town	1 of C	hristi	ana	0.1	D				
Sam					G . 110								5011	Prope	erties			
	t. & 1 (in	ints	feet		Soil/Re	ock Description						ive					s	
ype	h At verec	Cou	l nl i		And Geo	blogic Origin For		S	iic.	am	<u> </u>	gth	are	-5	city		/ nent	
lum T pu	leng1	3low	Jept		Laci	n Major Onit		JSC	Jrapl .og	Vell Diagr		Comp	Aoist Conte	iqui	lasti ndex	200	Comi COD	
	48		E	GR	RAVEL IN SILTY L	EAN CLAY, medium gr	avel in						~ •					
GP	42		È.	dar	k grayish brown. (FII	L)	K 4/2	<u> </u>										
			E		AYEY SILT (CL-M casional coarse sand a	<b>IL</b> ), trace to few fine sand nd large gravel, cohesive.	l,		HH1	1								
			È.	nor	n-plastic to slightly pla	astic, 10YR 3/1 very dark	gray.			{								
			$\mathbb{E}^2$					CL-MI	A 11	1								
			-3	-3						111	ł							
			$E^{3}$						HII	}								
			F.	SA	NDY LEAN CLAY	(CL), few to little fine to	brown	CL										
	12 12		<b>–</b> 4	SI	LTY GRAVEL (GM	), broken rock in a sandy	silt											
	12		-5	ma pal	trix, some fines and f e brown. (Weathered	ine sand size particles, 2.5 dolomite)	5Y 7/4	GM	٩Ŋ	¢								
				En	d of boring at 5 feet.	(Refusal)												
<u> </u>				1.	1													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
M MT	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management 
Other

												Page 1 of 1						
Facilit	y/Projec kGen	ct Nam Fner		nter		License/1	Permit/I	Monito	ring Nı	umber		Boring Number SR-03						
Boring	Drille	d By: 1	Name of	f crew chief (first, last) a	nd Firm	Date Dri	Date Drilling Started Date I					ate Drilling Completed				Drilling Method		
Patr	ick G	oetz	1	1												dual tube		
Dire WI Un	ique W	sh At Vell No	halytic	DNR Well ID No.	Common Well Name	Final Sta	$\frac{4/20}{\text{tic Wat}}$	$\frac{2021}{\text{er Leve}}$	1	Surfac	e Elevat	$\frac{4}{20/2}$	2021	Bo	DPT Borehole Diameter			
		•				Feet N	ASL		ç	939.01	Feet N	/ISL		2.0	inches			
Local	Grid Oı	rigin	(es	stimated: $\square$ ) or Bor	ing Location $\square$	Ia	t 42	° 58	33.	936 "	Local C	brid Loo	cation	•				
NW	Plane 1/4	of N	55 W 1	$\frac{1}{4}$ of Section 23	е (5)/С/N т6 NR 12 F	Long	, 89	° 2	.' 58.	108 "		Feet		[	1	E Feet 🗌 W		
Facilit	y ID	01 11		County		County Co	de	Civil T	own/Ci	ity/ or `	Village	1 001						
				Dane		13		Towr	n of C	hristi	ana							
San	nple											Soil	Prope	erties				
	t. & l (in)	nts	feet	Soil/R	ock Description						ive							
ype	h At /erec	Cou	InF	And Ge	bologic Origin For		s	lic	am	A	gth	arre		city		, nents		
Numb and T	Lengt Recov	3low	Depth	Eac	in Major Onit		U S C	Graph	Well Diagr	PID/F	Comp	Moist	Liquid	Plastic	200	RQD/ Comn		
1 GP	48 24			<b>GRAVEL IN SILTY S</b> silty sand matrix, about silty sand has some fine	<b>SAND,</b> gray gravel/broken 50/50 split gravel to silty s, 10YR 5/3 brown. (FIL	n rock in sand, L)												
				SILTY GRAVEL (GM rock in sandy silt matrix pale brown. (Cobble?)	<b>I)</b> , gravel sized pieces of , dolomite fragments, 2.5	broken 5Y 7/4	GM											
$_{\text{GP}}^{2}$	2 2			SILTY LEAN CLAY ( medium sand, large piec slightly plastic, 10YR 4/	(CL-ML), trace to few fi ces of dolomite gravel, co 2 dark grayish brown, br	ne to hesive, oken	<u>CL-MI</u>											
				End of boring at 4.2 fe	et. (Refusal)	]												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:
-----------

Watershed/Wastewater

Waste Management 
Other

						Page 1 of 1						1						
Facility/Pr	roject	: Nam Enor	e av Ce	nto	<b></b>		License/I	Permit/	Monito	ring Nı	umber		Boring Number					
Boring Di	rilled	By: 1	lame o	f cro	ew chief (first, last) an	ıd Firm	Date Dri	lling St	arted		Da	te Drilli	e Drilling Completed			Drilling Method		
Patrick	c Go	etz						0				0 1				dual tube		
Direct	Pus	h Ar	nalytic	al		6 W 11 M	<b>F</b> 1.0	4/20	/2021				4/20/2021			D	PT	
WI Uniqu	e We	ill No.		Ľ	ONR Well ID No.	Common Well Name	Final Sta	tic Wat Feet N	er Leve	el	Surfac	e Elevat	ion Feet N	151	Bc	rehole $20$	Diameter	
Local Grie	d Ori	gin	(es	stim	ated: 🗌 ) or Bori	ng Location						Local C	Brid Loo	cation		2.0	litenes	
State Plan	ne	0	35	571	86 N, 2222872	E (S)/C/N	La	t <u>42</u>	<u>°</u> _ 58	<u>33.</u>	.740 "			ΠN	[		Ε	
NW	1/4 c	of N	W 1	/4 c	of Section 23,	T 6 N, R 12 E	Long	<u>g 89</u>	° 2	<u> </u>	.074 "		Feet	S		]	Feet 🗌 W	
Facility II	)				County		County Co	de	Civil To Towr	own/C	ity/ or 'brigti	Village						
Sampl	e				Dalle		15		TOWI				Soil	Prone	erties			
					Soil/R	ock Description							5011					
tt. &	d (ir	unts	Feet		And Geo	plogic Origin For						sive					ts	
ber Jype th A	vere	Col	h In		Fac	h Major Unit		S (	hic	ram	Ð	press	ture		icity		/ meni	
Num Ind J	Seco	Blow	Jept			5		D S C	Grap	Vell Diag	DID /	Com	Mois Cont	imi	Plast	5 20(	Com 20	
	8		-	G	RAVEL IN SILTY S	AND, gray gravel/broken	rock in										Two attempts,	
GP = 2	.4		E	1 S1	0YR 5/3 brown. (FILL)	50/50 split gravel and sand	1 to silt,										attempt only 1	
			1														100t recovery.	
			E	G	Brades to 2.5Y 7/4 pale	brown, more uniform colo	or,											
			-2	la	arger rock fragments, m	ore similar color to matrix	ζ.											
			-3	s	ILTY LEAN CLAY (	CL), trace fine sand, cohe	esive,			1								
			E	p	lastic, 10YR 4/2 dark g	rayish brown, stiff.		CL-MI		1								
			-4	E	nd of boring at 4 feet.	(Refusal)				1								
							<b>0</b> 1											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management 
Other

Page 1												of	1				
Facilit	y/Proje	ct Nam	ne Co			License/I	Permit/	Monito	ring Nı	umber		Boring	Numbe	er SD	05		
Boring	Drille	Bv: 1	gy Ce Name o	f crew chief (first, last) a	and Firm	Date Dri	lling St	arted		Dat	te Drilli	ng Con	npleted	SD	Drilling Method		
Patr	ick G	oetz		( ) )			0					<b>U</b> .				dual tube	
Dire	ect Pu	sh Ar	nalytic	al		4/20/2021				4/20/2021				DI	PT		
WI Un	ique W	ell No	•	DNR Well ID No.	Common Well Name	Final Static Water Level Surface				ce Elevation Bo			Bo	rehole $20$	Diameter		
Local Grid Origin (estimated: ) or Boring Location						·						rid Loo	cation		2.0	litenes	
State	Plane	U	35	57170 N, 2222855	E S/C/N	La	t <u>42</u>	<u>° 58</u>	33.	.581 "			ΠN	[		Ε	
NW	1/4	of N	W 1	1/4 of Section 23,	T 6 N, R 12 E	Long	<u>g 89</u>	° 2	<u> </u>	.309 "		Feet	S		]	Feet 🗌 W	
Facilit	y ID			County	1	County Co	de	Civil To Towr	own/C	ity/ or \ 'bristi	/illage						
San	mle					15		10wi				Soil	Prope	erties			
Dun				Soil/	Rock Description												
	tt. & d (ir	unts	Feet	And G	eologic Origin For						sive					ts	
ber Nype	th A vere	Co	h In	Ea	ch Maior Unit		N C	hic	ram	Ē	pres	ture	t g	icity		men	
Num T bur	Leng Reco	Blow	Dept		5			Grap	Well Diag		Com	Mois Cont	imi	Plast	5 20(	Com 20D	
	48			GRAVEL IN SILTY	SAND, gray gravel/broker	n rock in					0 01						
GP	42		<u> </u>	10YR 5/3 brown. (FIL)	L)	nd to silt,											
			Ē														
			$\frac{-2}{2}$	Grades to 2.5Y 7/4 pal	e brown, more uniform co	lor,			]								
			Ē	larger rock fragments,	more similar color to matr	1X.											
			-3					61.619 61.619									
			Ē														
2	14		-4	SANDY LEAN CLAY	(CL), some fine sand,												
GP	8		Ē	cohesive, slightly plast	c (without broken rock), 1	rock, 10YR 3/2	CL										
			-5	very dark grayish brow	n.			/ / /									
				End of boring at 5.2 f	eet. (Refusal)												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
M MA	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management 
Other

						Page 1 of 1						
Facility/Project Name RockGen Energy Center	License/I	Permit/	Monito	ring N	umber		Boring Number SB-06					
Boring Drilled By: Name of crew chief (first, last) and Firm	Date Dril	ling St	arted		Da	te Drilli	Drilling Completed			Drilling Method		
Patrick Goetz		4/20	12021							dual tube		
Direct Push Analytical WLUnique Well No. DNR Well ID No. Common Well Name	4/20/2021				e Fleve	4/20/2	2021	B	orehole	Diameter		
wi onque wen no. Dirk wen ib no. Common wen name		Feet N	ASL	-1	Suitac	Fee	et MS	L		2.0	inches	
Local Grid Origin (estimated: ) or Boring Location	-	40	0 50		<i></i>	Local C	Frid Lo	cation				
State Plane 357067 N, 2222801 E (\$)/C/N	La	t <u>42</u>	<u> </u>	3' 32	.564 "			ΠN	ſ		Ε	
NW 1/4 of NW 1/4 of Section 23, T 6 N, R 12 E	Long	<u>, 89</u>	<u>°</u> 2	<u> </u>	.054 "		Feet	S			Feet 🗌 W	
Facility ID County C	Lounty Co	de	Civil T Tow	own/C	ity/ or 'bristi	Village						
Sample	15		1001				Soil	Prope	erties			
Soil/Pack Description												
8     H     Soliv Rock Description						sive					s	
$\begin{bmatrix} 2 \\ -3 \\ -4 \\ -4 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5$		S	lic	am	<b>A</b>	gth	ant	<del>م</del>	city		nent	
		0 S C	Grapl	Well Diagr		Com	Mois	imit	lasti ndex	5 200	SQD Com	
1 18 - SILT TOPSOIL (ML), silt, trace to few fine san	ıd,		ΠĪ							<u> </u>	Two attempts,	
GP I 14 coccasional fine gravel, cohesive, non-plastic, 10Y very dark brown.	R 2/2	ML									feet at both.	
		~~										
SANDY LEAN CLAY (CL), little fine sand, pla	stic, 2.5Y 7/4 ∫		:. <u>/</u> /.									
pale brown.												
End of boring at 1.5 feet. (Refusal)												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
MAT	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

Route	To:	V

Watershed/Wastewater

Waste Management 
Other

						Page 1 of 1								1						
Facilit	y/Projec kGen	t Nam Fner	ie ov Ce	nte	⊃r		Li	icense/F	Permit/	Monit	oring	g Nur	nber		Boring Number SB-07					
Boring	; Drilled	By: ]	Name o	of cr	rew chief (first, last) ar	nd Firm	Da	ate Dril	ling St	arted			Dat	te Drilli	ng Con	npleted	50	Drill	ing Method	
Patr	ick G	oetz	1.4	. 1					4/20	1202	1				1/20/2	001		dual tube		
WI Ur	iaue W	sn Ai /ell No	narytic		DNR Well ID No.	Common Well Name	e Fi	4/20/2021 Final Static Water Level Surfac					Surface	e Elevat	$\frac{4}{20/2}$	2021	Bo	DP I Borehole Diameter		
	1							]	Feet N	MSL			9	42.0 I	Feet N	1SL		2.0 inches		
Local Grid Origin (estimated: ) or Boring Location State Plane 256855 N 2222057 E							Lat 42° 58' 30.458"					Local G	irid Loo	cation	_					
NW	1/4	of N	W 1	1/4	of Section $23$ .	T6 NR12E		Long	, 89	0	2'	56.9	82 "		Feet		ſ	E E E		
Facilit	y ID				County	10 1,1122	Cou	inty Co	de	Civil	Towr	ı/Cit	y/ or V	/illage	1.000					
	1		1	-	Dane		13			Tow	n of	f Cł	nristia	ana	<u> </u>	<u> </u>				
San	nple														Soil	Prope	erties			
	tt. & d (in	ints	Feet		Soil/R	ock Description								ive					si	
ber Nype	th Ai vere	Cot	h In		And Ge Eac	h Maior Unit			S C	hic		ram	FID	press	ture	t g	icity ¢		/ ment	
Num Dand	Leng Reco	Blow	Dept			3			n s o	Grap	Well	Diag	PID/	Com	Mois Cont	Limi	Plast Indey	P 20(	RQD Com	
1 GP	42 36		_	5	SILT TOPSOIL (ML)	, silt, trace to few fine s ohesive, non-plastic, 10	sand, DYR 2	./2	ML											
			-1		very dark brown. SANDY LEAN CLAY	(CL), few to little sand	d,													
			E		cohesive, slightly plastic 10YR 4/3 brown.	e, 10ÝR 3/3 dark brown	ı gradi	ing to	CL											
			-2	5	Sand content increases r	near base (little to some	e sand)	nd).												
				s r	SILTY GRAVEL (GM natrix, few to some fine	<b>I)</b> , broken rock in a sand as and fine sand size particular	dy silt rticles													
			F	(	variable), 2.5Y 7/4 pale	brown. (Weathered do	olomit	te)	Givi	ЪЦ	ľ									
					End of boring at 3.5 fe	et. (Refusal)														
T 1 1		èr that	 the info		artha an hin same in su	and compart to the h	act of	f 1	arriada										<u> </u>	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
M MY	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

																	Pag	ge 1	of	1
Facility	/Projec	t Nam Ener		ntor						License/Permit/Monitoring Number Boring Number						-08				
Boring	Drilled	By: 1	Name o	f crew of	chief (fir	st, last) a	nd Firn	n		Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted	50	Drill	ing Method
Patri Dire	ick G ct Pu	oetz sh Ar	nalvtic	al	× ×	, ,					4/20/	/2021				4/20/2	2021		du Dl	al tube PT
WI Uni	ique W	ell No.		DNR	Well ID	No.	Comn	non Well Na	me	Final Sta	tic Wat	er Leve	el	Surfac	e Elevat	tion	-	Bo	rehole	Diameter
											Feet N	ЛSL			Fee	t MSI	L		2.0	inches
Local (	Grid Or Plane	igin		stimated	1: ∐) N 22	or Bor 23070	ing Loo F	cation $\boxtimes$		La	t _ 42	<u>° 58</u>	31	.301 "	Local C	irid Loc	cation			
NW	1/4	of N	W 1	$\frac{1}{4}$ of S	ection $22$	23	т 6	N R 12	Е	Lon	, 89	° 2	' 55	.447 "		Feet			1	⊢ E Feet □ W
Facility	<sup>7</sup> ID	01 11			County		10	1,1012	C	ounty Co	de	Civil T	own/C	ity/ or V	/illage	1000				
					Dane	;			1	3		Town	n of C	hristi	ana					
Sam	ple															Soil	Prope	rties		
	& (in)	ts	set			Soil/R	lock De	escription							e,					
л S	Att. red	uno	n Fe			And Ge	eologic	Origin For				0	_ я		essiv h	8 J		Ę.		ents
l Tyj	ngth cove	M C	pth I			Eac	ch Majo	or Unit			CC	uphic g	il Igrai	)/FII	mpre	istu nten	uid nit	stici ex	00	D/D
Nu and	Ler Ree	Blc	Dej								n s	L <sub>0</sub>	We Dia	IId	Col Str	C <sub>0</sub>	Lig Lin	Pla Ind	P 2	Col RQ
1 GP	48 36			SILT occas very	TOPSO sional fine dark brow	DIL (ML) e gravel, c vn.	, silt, tra ohesive	ace to few fir e, non-plastic,	ne sand , 10YF	ł, R 2/2	ML									
			1	SAN	DY LEA	N CLAY	(CL),	little to some	fine s	and,										Gradational
			E	sand plasti	content in	from 10Y	Vith dep (R 3/3 (	oth, cohesive, dark brown to	slight 5 10YI	ly R 4/3										contact.
E			-2	brow	n.						CL									
E			E										1							
E			-3																	
E			E	SILT	Y GRAV	VEL (GN	1), brok	en rock in a s	sandy s	silt		6 V I	ł							
2	18		-4	matri (varia	x, few to able). 2.5	some fin Y 7/4 pale	es and f e brown	ine sand size (Weathered	partic d dolor	les nite)		lqΜ	{							
GP	12		-	(	,,					)	GM	Poti								
			-5									bΦ								
티			-	End	of boring	y at 5.5 fe	et. (Re	fusal)				' ^ '								
				2		,		(10001)												
																				L

I hereby certify that the information on this form is true and correct to the best of my knowledge.

	Signature	Firm TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
--	-----------	---	--

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1
Facilit	y/Proje vkGer	ct Nan	ne ov Ce	nter		License/	Permit/	Monito	ring Nı	ımber		Boring	Numb	er SR	-09	
Boring	g Drille	d By:	Name of	f crew chief (first, last)	and Firm	Date Dr	illing St	arted		Dat	te Drilli	ng Con	npleted	50	Drill	ing Method
Pat	rick C	oetz	1	1			4/20	10001				1/20/0	0001		du	al tube
Dir WIII	ect Pu	ish Ai	nalytic	DNR Well ID No	Common Well Name	Final St	4/20	/2021	1	Surface	- Elevat	$\frac{4}{20/2}$	2021	Bo	D	Diameter
WI 01	iique v		•	Divic wen ib ivo.	Common wen ivanie	1 mai 54	Feet N	MSL		Surrace	Fee	et MS	L		2.0	inches
Local	Grid O	rigin		stimated:  ) or B	oring Location		4 42	° 58	' 32	620 "	Local C	drid Loo	cation			
State	Plane		35	5/0/6  N, 2223124	4 E (S)/C/N		11 <u></u> 80	- <u></u>	<u> </u>	707 "		Б.		[		
IN W Facilit	1/4 v ID	of IN	W I	<u>Z4 of Section</u> <u>Z3,</u> County	T 6 N, R 12 E	Lon County Co	g <u> </u>	 Civil T	 own/Ci	$\frac{707}{10}$	Village	Feet				Feet 🗌 W
1 40111	<i>y</i> 12			Dane		13		Town	n of C	hristi	ana					
Sar	nple											Soil	Prope	erties		
	ii) &	s	et	Soil	Rock Description						e					
г S	Att. red (	ount	n Fe	And G	Geologic Origin For			0	8		ssiv h	8 - 1		ty		ents
mbe I Tyj	ngth cove	N C	pth I	E	ach Major Unit		C	aphic g	il Igrar	O/FII	mpre	istu nten	luid nit	stici ex	00	D/D
Nu	Lei Re	Blc	De				n	Lo Gr	We Dia	IId	Co. Str	Co Mc	Lic	Pla Ind	P 2	Č K
GP	48 30			occasional fine gravel	cohesive, non-plastic, 10	und, YR 2/2	ML									
			-1	SANDY LEAN CLA	Y (CL), little to some fine	e sand,										Gradational
			-	sand content increases	with depth, cohesive, slig OYR 3/3 dark brown to 10	htly YR 4/3										contact.
			-2	brown.			CL									
			E						1							
			-3													
-			Ē	SILTY GRAVEL (G	M), broken rock in a sand	y silt		٥								
2	24		-4	(variable), 2.5Y 7/4 pa	ale brown. (Weathered do	lomite)		ЦQ	1							
GP	18		È.				GM	19								
			<b>E</b> <sup>5</sup>					Þ۲	1							
								ЮŲ	]							
	]		6	End of boring at 6 fe	et. (Refusal)				]							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
My MT	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

Route To: V

Watershed/Wastewater

Waste Management 
Other

Facility/Project Name       License/Permit/Monitoring Number       Boring Number         RockGen Energy Center       Date Drilling Started       Date Drilling Completed       Dri         Boring Drilled By: Name of crew chief (first, last) and Firm       Date Drilling Started       Date Drilling Completed       Dri         Patrick Goetz       Direct Push Analytical       DNR Well ID No.       Common Well Name       Final Static Water Level       Surface Elevation       Borehold         WI Unique Well No.       DNR Well ID No.       Common Well Name       Final Static Water Level       Surface Elevation       Borehold         State Plane       357164 N, 2223190 E       S/ C/N       Lat       42°       58'       33.481"       Local Grid Location         State Plane       357164 N, 2223190 E       S/ C/N       Long       89°       2'       53.810"       Feet □ S         Facility ID       County       County       County Code       Civil Town/City/ or Village       N         Dane       13       Town of Christiana       Soil Properties       Soil Properties	1
RockGen Energy Center       355-10         Boring Drilled By: Name of crew chief (first, last) and Firm       Date Drilling Started       Date Drilling Completed       Dri         Patrick Goetz       Direct Push Analytical       4/20/2021       4/20/2021       Image: Center in the image: Center	
Patrick Goetz       Juice Drining Stated       Juice Drining State Drinin	Iling Method
Direct Push Analytical     4/20/2021     4/20/2021     I       WI Unique Well No.     DNR Well ID No.     Common Well Name     Final Static Water Level     Surface Elevation     Borehol       Local Grid Origin     (estimated: ) or Boring Location ⊠     Image: State Plane     357164 N, 2223190 E     S/C/N     Image: State Plane     Local Grid Origin     Local Grid Location     Image: State Plane     Soft Preet     Surface Elevation     Borehol       NW     1/4 of NW     1/4 of Section     23, T 6     N, R 12 E     Long     89°     2'     53.810"     Feet     S       Facility ID     County     County     County Code     Civil Town/City/ or Village     Soil Properties       Sample     Soil Properties     Soil Properties     Soil Properties	IA/dual tube
WI Unique Well No.       DNR Well ID No.       Common Well Name       Final Static Water Level Feet MSL       Surface Elevation       Borehol         Local Grid Origin       (estimated: ) or Boring Location X State Plane       ) or Boring Location X       Lat <u>42°</u> 58' 33.481"       Local Grid Location       Local Grid Location         NW       1/4 of NW       1/4 of Section 23, T 6 N, R 12 E       Long <u>89°</u> 2' 53.810"       Feet DS         Facility ID       County       County Code       Civil Town/City/ or Village         Dane       13       Town of Christiana	)PT
Icocal Grid Origin       (estimated:       ) or Boring Location       Icocal Grid Local Grid Location       Icocal Grid Location         State Plane       357164 N, 2223190 E       \$\sigma' C/N       Lat       42°       58'       33.481"       Local Grid Location       Icocal Grid Location         NW       1/4 of NW       1/4 of Section       23, T 6       N, R 12 E       Long       89°       2'       53.810"       Feet I S       Soil Properties         Facility ID       County       County       County Code       Civil Town/City/ or Village       Town of Christiana         Sample       Soil Properties       Soil Properties	e Diameter
Local Grid Origin $\Box$ (estimated: $\Box$ ) or Boring Location $\boxtimes$ State Plane       357164 N, 2223190 E $\bigcirc$ /C/N       Lat $42^{\circ}$ $58^{\circ}$ $33.481^{\circ}$ Local Grid Location         NW       1/4 of NW       1/4 of Section       23, T 6       N, R 12 E       Long $89^{\circ}$ $2^{\circ}$ $53.810^{\circ}$ Feet       S         Facility ID       County       County Code       Civil Town/City/ or Village         Dane       13       Town of Christiana         Sample       Soil Properties	) inches
State Flate     SSTICK R, 2225170 L     Stor R, 225170 L     S	— –
Facility ID     County     County Code     Civil Town/City/ or Village       Dane     13     Town of Christiana	⊢ E Feet □ W
Dane     13     Town of Christiana       Sample     Soil Properties	
Sample     Soil Properties	
Soil/Rock Description	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Its
Each Major Unit Each Major Unit	D/ mer
Ind The second s	Com &C
1     45     -     SILT TOPSOIL (ML), silt, trace to few fine sand,     1     1     1	
HA 45 coccasional fine gravel, cohesive, non-plastic, 10YR 2/2 ML III	
POORLY GRADED GRAVEL (GP), rounded medium	Geomembrane
gravel (~1" stone), mixed with silty soil, 10YR 2/2 very dark brown (Sentic system gravel bed) $GP = O$	visible on pipe side of hole:
	machined
- WELL GRADED SAND (SW), fine to coarse sand, 10YR 5/3 brown, (Septic system base) SW	eage minorer
- 3 SILTY LEAN CLAY (CL-ML) trace to few fine sand	
cohesive, plastic, 10YR 3/3 dark brown.	
$\stackrel{2}{\mathrm{GP}} = \stackrel{48}{24} = \begin{bmatrix} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	
SILTY SAND WITH BROKEN ROCK, little	
3 = 18 SILTY GRAVEL (GM), broken rock in a sandy silt matrix, few to some fines and fine sand size particles	
GP = 8 [ (variable), 2.5Y 7/4 pale brown. (Weathered dolomite) $GM = GM$	
End of boring at 9.5 feet. (Refusal)	
	1

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	n/M	F	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
1				· · · ·

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	W

Watershed/Wastewater

Waste Management 
Other

Page 1 of 1 Facility/Project Name License/Permit/Monitoring Number Boring Number SB-10X RockGen Energy Center Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling Method Patrick Goetz dual tube Direct Push Analytical 4/20/2021 4/20/2021 DPT Borehole Diameter WI Unique Well No. DNR Well ID No. Common Well Name Final Static Water Level Surface Elevation Feet MSL Feet MSL 2.0 inches Local Grid Origin (estimated: 🗌 ) or Boring Location  $\boxtimes$ Local Grid Location  $\square$ 58' 33.449" 42° Lat 357161 N, 2223191 E State Plane (S)/C/N🗆 N □ E 89° 2' 53.788" NW Feet 🗌 S Feet 🗌 W 1/4 of NW 1/4 of Section 23, т 6 N, R 12 E Long Facility ID County County Code Civil Town/City/ or Village Dane Town of Christiana 13 Sample Soil Properties Length Att. & Recovered (in) Soil/Rock Description Depth In Feet Blow Counts Compressive Comments And Geologic Origin For Moisture Plasticity Index and Type PID/FID Strength Diagram Number S Graphic Content Liquid Each Major Unit SCS Limit ROD/ 200 Well Log 1 48 TOPSOIL, silt, trace to few fine sand, occasional fine Boring not gravel, 1 piece medium gravel, cohesive, non-plastic, 10YR 2/2 very dark brown. GP 30 sampled, ML location too 1 far from septic WELL GRADED SAND (SW), fine to coarse sand, pipe. Poor recovery, 10YR 5/3 brown. (Septic system base) SW changes in soil are very -2 estimated. SANDY LEAN CLAY (CL), little to some fine sand, cohesive, slightly plastic, grades from 10YR 3/3 dark brown to 10YR 4/3 brown, sand content increases with -3 depth. •4 2 48 CL GP 30 5 6 SILTY GRAVEL (GM), broken rock in a sandy silt matrix, few to some fines and fine sand size particles (variable), 2.5Y 7/4 pale brown. (Weathered dolomite) -7 GM 8 3 GP 18 Last sample tube mostly broken rock. 12 g End of boring at 9.5 feet. (Refusal)

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	TRC Environmental Corporation	Tel: (608) 826-3600
M M		708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

Route	To:	V

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1	
Facilit	y/Projec kGen	t Nam Fner	ne rov Ce	nter		License/Permit/Monitoring Number Boring Number							er SR	B-11			
Boring	Drille	By: 1	Name o	f crew chief (first, last) a	and Firm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted	50	Drilling Method		
Patr	ick G	oetz					C								dual tube		
Dire	ect Pu	sh Ar	nalytic	al		4/20/2021				4/20/2021				DPT			
WI Un	ique W	ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wat	er Leve	el	Surface	e Elevat	ion	-	Bo	Borehole Diameter		
							Feet N	ASL		I.	Fee	t MSI	L		2.0	inches	
Local G	Jrid Oi Plane	ngin		57151  N  2223181	$\frac{1}{E} = \frac{1}{E} $	La	t42	<u>° 58</u>	33.	355 "	Local	ma Loo	cation				
NW	1/4	of N	W 1	$\frac{1}{4} \text{ of Section} \qquad 23$	T 6 N R 12 F	Long	, 89	° 2	' 53.	922 "		Feet			I	E E E	
Facilit	v ID	01 14	** 1	County	1 0 N, K 12 L	County Co	de	Civil To	own/Ci	ty/ or V	/illage	Tut					
-				Dane		13		Towr	n of C	hristia	ana						
San	nple											Soil	Prope	erties			
	ي تا لا			Soil/F	Rock Description												
•	ьtt. 8 sd (i	unts	Fee	And Ge	eologic Origin For						sive					ts	
ber Type	th A vere	, Co	h In	Eac	ch Maior Unit		N N	hic	ram	ED	pres	ture	L E	icity (		men	
	eng leco	low	Dept				] S (	irap .og	Vell	D/	om	Aois Cont	imi.	last ndey	20(	OD III	
	48	Щ		SILT TOPSOIL (ML)	), silt, trace to few fine san	d,		ΗΠ			0 S	20		ЦЦ		<u> </u>	
GP	30		F	occasional fine gravel, o	cohesive, non-plastic, 10Y	R 2/2	ML										
			-1	WELL CRADED SAL	$\mathbf{ND}$ (SW) fine to coarse s												
			Ę	10YR 5/3 brown. (Sep	tic system base)	ind,	SW										
			-2	SANDVI FAN CLAV	V (CL) little to some fine			77									
				cohesive, slightly plastic content increases with c	c, 10YR 3/3 dark brown, s depth.	and	CL										
			-3	SILTY LEAN CLAY	(CL-ML), trace fine sand			XX									
			-4					XX									
2 GP	48 30																
			-5	SILTY SAND WITH	BROKEN ROCK. little												
			-	gravel-sized broken roc	k (dolomite), 10YR 5/3 br	own.		1010									
			-6				SM										
			<u>–</u> 7	SILTY GRAVEL (GN	M), broken rock in a sandy	silt		٩Ÿ١									
			F	(variable), 2.5Y 7/4 pal	le brown. (Weathered dolo	omite)		ЦU									
3	21		<del>-</del> 8	Last sample tube mostly	y broken rock.		GM	Per (									
GP	12		E					þΩι									
			-9					L9 (L)									
			F					Poli									
				End of boring at 9.75	feet. (Refusal)												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
MAT	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater

Remediation/Redevelopment

Waste Management 
Other

													Pag	ge 1	of	1
Facilit	/Projec	t Nam	ie Karv Co	ntar		License/I	Permit/	Monitor	ring Nu	ımber		Boring	Numbe	er SP	12	
Boring	Drilled	Bv: 1	gy Ce Name o	f crew chief (first, last) a	nd Firm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted	SD	Drilling Method	
Patr	ick G	oetz		()											dual tube	
Dire	ect Pu	sh Ar	nalytic	al		4/20/2021					4	4/20/2	2021		DPT	
WI Un	ique W	ell No.	•	DNR Well ID No.	Common Well Name	Final Static Water Level Surface E					e Elevat	levation Bor				Diameter
Local	Grid Or	ioin		stimated: 🗌 ) or Bor	ing Location		Feet N	VISL			Fee	rid Log	L		2.0	inches
State ]	Plane	igin	35	57162 N, 2223169	E S/C/N	La	t <u>42</u>	<u>° 58</u>	<u>'</u> <u>33.</u>	465 "				ſ		ПЕ
NW	1/4	of N	W 1	/4 of Section 23,	t 6 N, r 12 e	Long	g <u>89</u>	<u>°</u> 2	<u> </u>	088 "		Feet			]	Feet 🗌 W
Facilit	/ ID			County		County Co	de	Civil To	own/Ci	ty/ or V	/illage					
	1		1	Dane		13		Towr	of C	hristia	ana	g '1				
San	ple											Soil	Prope	erties		
	t. & (in)	nts	eet	Soil/R	ock Description						ve					
er /pe	n Att ered	Cour	In F	And Ge	ologic Origin For		s	ic.	ų		th	at te		ity		ients
d Ty	scov	ow (	epth	Eac	h Major Unit		SC	aph	ell agra	D/F	idmo	oistu	quid	astic dex	200	D/
	E Le	Bl	Å		ailt trace to form fine con	d	D	53	ΒÜ	Id	st C	ΣŬ	ΕĒ	Pl. In	<u> </u>	<u> </u>
GP	48 30			cohesive, non-plastic, 10	)YR 2/2 very dark brown		ML									
			-1				<u> </u>									
WELL GRADED SAND (SW), fine to coarse s 10YR 5/3 brown. (Septic system base)						and,	SW									
			-2				L									
			E	cohesive, slightly plastic	(CL), little to some fine c, 10YR 3/3 dark brown.	sand,	CL									
			-3				L									
				cohesive, plastic, 10YR	(CL-ML), trace fine sand 4/3 brown.	l,										
			-4						а А							
$\frac{2}{\text{GP}}$	48 30		F .				CL-MI									
			E_5													
			F													
			-													
				SILTY SAND WITH I	BROKEN ROCK, little											
			- 7	graver sized broken roer	(uoloinite), 1011( 5/5 bi	own.	SM	0								
			E'					51   19 								
			È a		<u></u>		L									
3	12		<u>–</u> 8	matrix, few to some fine	es and fine sand size parti	cles	GM									
GP	12		F	(variable), 2.5Y 7/4 pale and matrix are similar of	e brown, more uniform co olor). (Weathered dolom	olor (rock ite)	OW	БЧ								
			-9	Last 6" of recovery is m	ostlý broken rock.											
				End of boring at 9 leet	. (Refusal)											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm TRC Environmental Corporation	Tel: (608) 826-3600
M M	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

Route To: V

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1
Facilit	y/Proje	ct Nam	ne C			License/	Permit/	Monito	ring Nı	umber	Boring Number					
Roc	Drille	d By 1	igy Ce Name o	nter f crew chief (first_last) a	nd Firm	Date Dri	illing St	arted		Dat	te Drilli	ng Con	mleted	20	Drilling Method	
Pat	ick G	oetz		erew enter (mst, tust) t		Dute Di	ining 50	unca		Du	C DIIII	ing con	npieteu		HA/dual tube	
Dir	ect Pu	sh Ar	nalytic	al			4/20/2021					4/20/2	2021		DPT	
WI Uı	nique W	ell No		DNR Well ID No.	Common Well Name	Final Sta	tic Wa	ter Leve	el	Surface	e Elevat	ion		Bc	rehole	Diameter
						Feet I	MSL			Fee	t MS	L .		2.0	inches	
Local	Grid Oi Plone	rigin		stimated: $\square$ ) or Box $37145 \text{ N} = 2223163$	ring Location $\boxtimes$	La	<sub>at</sub> 42	° 58	33.	300 "	Local C	irid Loo	cation	_		
NW		of N	W 1	$\frac{14511}{2223103}$	T = O(C/N)	Lon	a 89	° 2	.' 54.	178 "		Feet				E E
Facilit	y ID	01 11	•• 1	County	1 0 N, K 12 L	County Co	bde	Civil T	own/Ci	ity/ or V	Village	100				
	-			Dane		13		Towr	n of C	hristi	ana					
Sar	nple											Soil	Prope	erties		
	& in)	s	ਸ਼	Soil/F	Rock Description						0					
o	Att ed (j	ounts	l Fee	And G	eologic Origin For						ssive	0		~		ats
Typ	gth /	Č Č	th Ir	Ea	ch Major Unit		CS	phic	l gran	FID	ngth	sture	ii d	ticit. x	0	D/
Nun and	Leng	Blov	Dep				U S	Graf Log	Wel Diag	DI OI	Con	Moi	Linu	Plas	P 20	Con
1	18		_	SILT TOPSOIL (ML)	, silt, trace to few fine sa	und,										
HA	18		E	cohesive, non-plastic, 1	0YR 2/2 very dark brown	n.	ML									
			-1						-							
2	30		E	gravel (~1" stone), mix	GRAVEL (GP), rounded ed with silty soil, 10YR 2	d medium 2/2 very	GP	$ 0\rangle$								Geomembrane layer.
GP	18		-2	dark brown. (Septic sy	stem gravel bed)			00								
Ē			F	WELL GRADED SAI 10YR 5/3 brown. (Sep	ND (SW), fine to coarse tic system base)	sand,	SW									
Ē			-3													
				SANDY LEAN CLAY cohesive, slightly plasti	(CL), few to little fine s c, 10YR 3/3 dark brown.	sand,	CL									
3 GP	48 24		4 E	SILTY LEAN CLAY cohesive, plastic, 10YR	(CL-ML), trace fine san 3/3 dark brown.											
			-5						1							
Ē							CL-M		}							
Ē			-6						]							
			E						]							
			-7													
			E	SILTY SAND WITH gravel-sized broken roc	k (dolomite), 10YR 5/3 b	prown.	SM									
			-8				<u> </u>									
$\frac{4}{\text{GP}}$	36 24		F	SILTY GRAVEL (GM matrix, few to some fin	<b>1),</b> broken rock in a sand es and fine sand size part	ly silt ticles			]							
Ē			E	(variable), 2.5Y 7/4 pal	e brown. (Weathered do	lomite)		ЮЧ								
			Ę				GM	19,1								
Ē			F 10				ON		]							
E								ЫĤ								
			F					[4]	]							
L	1			End of boring at 11 fe	et. (Refusal)				1							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1	
Facility/Pro	oject	Nam	e				Lice	ense/P	Permit/	Monitor	ring Nı	umber		Boring Number					
RockGe	en h	iner	gy Ce	nter	et) o	nd Firm	Date	o Dril	ling St	orted		Det	to Drilli	Drilling Completed				Drilling Method	
Dotri ol	Go	Бу. I otт	vanie o	i ciew chiel (liist, la	ist) a	na filli	Date	e Din	ing st	arteu		Da	le Dinn	ng Con	ipieteu		dual tube		
Direct F	Pusl	eiz h Ar	alvtic	al					4/20/	/2021			4/20/2021				DPT		
WI Unique	We	ll No.	5	DNR Well ID No		Common Well Name	Fina	al Stat	ic Wat	er Leve	l	Surface	ace Elevation				orehole	Diameter	
								ł	Feet N	<b>MSL</b>			Fee	t MS	Ĺ		2.0	inches	
Local Grid	Orig	gin		stimated: $\Box$ ) or	Bo	ring Location		Lat	42	° 58	' 31.	.964 "	Local C	drid Loo	cation				
State Plane	Э	а <b>Ъ</b> Т	32 117 - 32	57008 N, $2222$	985	E (S)/C/N		Lai	80	- <u>-</u>	<u> </u>	500 "				ſ			
IN W I Facility ID	l/4 o	t IN	W I	/4 of Section 23	,	TO N, RIZE	Count	Long	5 <u>09</u>	 Civil Ta	$\frac{30}{2}$	ity/ or V	/illage	Feet				reet 🗌 W	
				Dane			13	ly COC	ac	Towr	n of C	hristi	ana						
Sample	;						10			10.01				Soil	Prope	erties			
					oil/R	lock Description								2011					
tt. &	ц р	unts	Feet	Δ1	d Ge	cologic Origin For							sive					s	
ype th A	vere	Col	n In		Eac Fac	h Major Unit			S	JIC .	am	Ð	gth	ant	-т	city		/ nen1	
nd T eng	eco	low	ept		Lav	in Major Onit			I S C	irapl og	Vell	ID/I	omp	loist	iqui	lasti ndex	200	OD III	
	~	В		SILTY SAND W	тн	BROKEN ROCK. little	9			이고			N C	20		P II	<u> </u>	2 W D	
GP = 18	ŝ		_	gravel-sized broke	1 roc	k (dolomite), 10YR 5/3	brown.		SM	0									
			-1							6 6 6									
E			_	matrix, few to som	e fin	es and fine sand size par	rticles			L.L.									
目			-2	(variable), more un (Weathered dolom	iforr ite)	n color, 2.5Y 7/4 pale br	rown.			БЧ									
					,					$\left[\frac{P_{1}}{2}\right]$									
									GM										
										ЫĤ									
			-							19,1									
2 = 6			4							Þ۲	1								
GP _ 2				End of boring at	4.5 fe	eet. (Refusal)													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	$\square$	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
/ /				

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

										Page 1 of 1							
Facili	y/Proje	ct Nan	ne	ant			License	/Permit/	Monito	ring Nu	umber		Boring Number				
Borin	g Drille	d By:	Name	of ci	rew chief (first, last) ar	nd Firm	Date Dr	illing St	arted		Dat	te Drilli	ng Con	npleted	SD	Drilling Method	
Pat	rick G	oetz						0								dual tube	
Dir	ect Pu	ish Ai	nalyti	cal		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		4/21/2021					4/21/2021			DI	PT
WIU	nique V	/ell No	).	I	DNR Well ID No.	Common Well Name	Final St	atic Wat	er Leve	el	Surface	e Elevat	tion Foot N	151	Bo	rehole $2.0$	Diameter
Local	Local Grid Origin (estimated: ) or Boring Location							rectr	ISL			Local C	Frid Loo	cation		2.0	litenes
State	Plane	0	3	571	109 N, 2222926	E S/C/N	L	at <u>42</u>	<u>° 58</u>	32.	<u>965 "</u>			□ N	[		Ε
NW	1/4	of N	W	1/4	of Section 23,	t 6 N, r 12 e	Lor	ng <u>89</u>	<u>° 2</u>	<u> </u>	372 "		Feet	s 🗆 s		]	Feet 🗌 W
Facili	y ID				County		County C	ode	Civil To	own/Ci	ity/or V	/illage					
Sat	mala				Dane		13		Towr		nristia	ana	Soil	Dron	ortion		
Sal		-			C :1/D								5011	Prope			
	tt. & d (in	ints	Feet		Soll/R	ock Description						ive					s
ype	h At /erec	Cou	l II I		And Ge	b Major Unit		S	lic	am	A	oress	ure	-5	city		hent
Jumb T bu	le co	low	Depth		Eac	n wajor Onit		] S C	jrapl .og	Vell Diagr	ID/H	omp	Aoist Conte	imit	'lasti ndex	200	COD Comt
28	48	ш			SILTY SAND WITH I	BROKEN ROCK, little	:										<u> </u>
GP	24		E	f	gravel-sized broken rock	t (dolomite), SM is some YR 5/3 brown.	e fines,										
			-1		, -			SM									
			F				SN	SIVI									
			-2														
			-	÷	SILTY GRAVEL (GM	<b>D.</b> broken rock in a sand	dy silt										
			-3	r	natrix, few to some fine	is and fine sand size part color $2.5 \times 7/4$ pale br	ticles			4							
			F		Weathered dolomite)	1 color, 2.5 1 7/4 pare of	0wn.	CM	PhT	-							
2	12		-4					GM	60	}							
GP	6		F							4							
Ŀ			-5		End of boring at 5 feet	(Refusal)			p' Ľ								
						()											
	1																

I hereby certify that the information on this form is true and correct to the best of my knowledge.

	· / /			
Signature	$\square$	Firm	<sup>1</sup> TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1	
Facilit	y/Proje	ct Nam Enor	ne Karv Ca	ntor		License/I	Permit/	Monitor	ring Nu	mber		Boring Number					
Boring	Drille	By: ]	Name of	f crew chief (first, last) a	nd Firm	Date Drilling Started Date Dr					e Drilli	e Drilling Completed				Drilling Method	
Patr	ick G	oetz					0				8 1				dual tube		
Direct Push Analytical							4/21	/2021	-			4/21/2	2021		DI	PT	
WI Un	ique W	ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wat Foot N	er Leve		Surface O	e Elevat	tion Feet N	151	Bo	rehole $20$	Diameter	
Local	Grid Oı	rigin	(es	stimated: 🗌 ) or Bor	ring Location			VISL			Local C	Frid Loo	cation		2.0	menes	
State	Plane	e	35	56980 N, 2222921	E S/C/N	La	t <u>42</u>	<u>° 58</u>	31.	<u>699 "</u>			ΠN			Ε	
NW	1/4	of N	W 1	1/4 of Section 23,	t 6 n, r 12 e	Long	<u>g 89</u>	° 2	<u> </u>	455 "		Feet	S		]	Feet 🗌 W	
Facilit	y ID			County		County Co	de	Civil To Towr	own/Cr	ty/or \ bristic	/illage						
San	mle					15		TOWI				Soil	Prone	erties			
				Soil/R	lock Description												
•	tt. 8 sd (ii	unts	Fee	And Ge	cologic Origin For						sive					ts	
lber Type	gth A overe	C Co	h In	Eac	ch Major Unit		CS	hic	ram	ΗĒ	pres ngth	sture	t, g	icity x	0	)/ men	
Nun <sup>,</sup> and	Leng Recc	Blov	Dept				N S	Graf Log	Well Diag	PID/	Com	Mois Cont	Liqu	Plast Inde	P 20	RQI Com	
	48 24		_	SILTY SAND WITH	BROKEN ROCK, little k (dolomite), silty sand is	fine to											
			-1	medium sand, some find	es, 10YR 5/3 brown.			0.0									
			E_2					6 6 6									
							SM										
								000									
			F					1 b 10									
			-4					0.00									
$\frac{2}{\text{GP}}$	4		-	End of boring at 4.3 fe	eet. (Refusal)			li li bi id									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	TIME TRC Environmental Corporation	Tel: (608) 826-3600
M/M	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1
Facilit	y/Projec	t Nam	e Co				Li	icense/F	Permit/	Monitor	ring Nu	ımber		Boring Number				
Boring Drilled By: Name of crew chief (first, last) and Firm							D	Date Drilling Started Dat					te Drilli	ng Con	mleted	SD	-1 /	ing Method
Lvc	lia Au	ner	vanie of	erew emer (mbt, i	ust) und							Sue Drining Completed				hand		
TR	С								5/10	/2021				5/10/2	2021		au	ger/shovel
WI Uı	nique W	ell No.		DNR Well ID No	). (	Common Well Name	e Fi	inal Stat	tic Wat	er Leve	el	Surfac	e Elevat	tion	_	Bo	rehole	Diameter
T 1	<u>C.10</u>	· · · ·			Denin				Feet N	ASL			Fee	t MSI			3.0	inches
State	Grid Oi Plane	igin	(es 35	7280  N. 2222	Borin 785 E	g Location $\bigotimes$		Lat	t42	<u>°</u> _ 58	<u>'</u> 34.	<u>675 "</u>	Local C	ma Loo	ation	r		
NW	1/4	of N	W 1	$/4 \text{ of Section} \qquad 23$	, ос <u>2</u> 3. п	6 N.R 12 E		Long	89	° 2	59.	240 "		Feet			]	Feet 🗌 W
Facilit	y ID			County	,	- )	Cou	unty Co	de	Civil To	own/Ci	ty/ or V	/illage					
				Dane			13	5		Towr	n of C	hristi	ana					
Sar	nple													Soil	Prope	erties		
	(ii) &	ts	et	S	Soil/Roc	k Description							e					
г э	Att. red (	oun	n Fe	Ai	nd Geol	ogic Origin For							ssiv 1	9		£		ints
Tyr	gth	w C	oth I		Each	Major Unit			CS	phic	ll grar	/FII	npre	istur	uid iit	sticil ex	20	D/
Nur and	Len Rec	Blo	Dep						U S	Gra Log	We Dia	PIC	Cor Stre	Mo Cor	Lin	Pla: Ind	P 2(	RQ Cor
1 HA	18		-	LEAN CLAY (C moist, mostly cohe	L), dark esive.	brown (7.5YR 3/2),	no od	lor,										Hand augered to 6", hit
	10			As above, dark bro $4/4$ cohesive	own (7.5	5YR 3/2) and brown (	(7.5Y	R	CL									multiple rocks. Dug
			- 1	4/4 <i>)</i> , concarve.														out rocks with shovel, then
-				End of boring at 1	.5 ft bgs	. (Refusal)												proceeded to
																		1.5 ft bgs.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	ydia A	Fi	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To	o: W

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1
Facilit	y/Projec	et Nam	e av Ca	etan		License/Pe	ermit/l	Monito	ring Nı	umber	Boring Number					
Boring	Drillea	Ener	gy Ce Name o	nter f crew chief (first, last) a	nd Firm	Date Drilli	ing St	arted		Dat	e Drilli	ng Con	npleted	20	-10 Drill	ing Method
Lvd	ia Au	ner	vanie o.			Dute Dilli	ing su	artea		Du	e Diim	ing con	ipietea		ha	nd
TR	2					:	5/10/	2021				5/10/2	2021		au	ger/shovel
WI Ur	ique W	ell No.		DNR Well ID No.	Common Well Name	Final Statio	c Wat	er Leve	el	Surface	e Elevat	ion	_	Bo	rehole	Diameter
T 1	0.10				·	F	eet N	ASL			Fee	t MSI	<u> </u>		8.0	inches
State	Orid Or Plane	igin		$57163 \text{ N}_{\odot} 2222799$	$E \otimes C/N$	Lat	42	<u>° 58</u>	33.	513 "	Local	ma Loo	cation			
NW	1/4	of N	W 1	$/4 \text{ of Section} \qquad 23.$	T 6 N.R 12 E	Long	89	° 2	' 59.	061 "		Feet			1	Feet $\square$ W
Facilit	y ID	01 11		County	C	ounty Code	e	Civil To	own/Ci	ity/ or V	/illage	1000				
				Dane	1	13		Towr	n of C	hristi	ana					
San	nple											Soil	Prope	erties		
	k in)	s	с (	Soil/F	lock Description						a					
. o	Att. ed (	ount	1 Fe	And Ge	eologic Origin For						ssiv	ပ		Y		nts
nber Typ	gth . ovei	N C	th Iı	Ead	ch Major Unit		CS	phic	l gran	/FIL	ngth	stur tent	nid uit	ticit	00	J O
Nur and	Len Rec	Blo	Dep				U S	Gra Log	Wel Dia	DID	Con	Con Con	Lim	Plas Inde	P 2(	RQJ Con
1 HA	12 12		_	LEAN CLAY (CL), lo 3/2) and brown (7.5YR	w plasticity, dark brown (7 4/4), no odor, moist, most	ly ly	CL									
			-1	cohesive.												
			-	Refusal at 1 ft bgs on ro shoveling to clear rocks	and was not able to with ~	ried 8"										
				diameter shovel hole.												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Idia A	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	<u> </u>			

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1
Facilit	y/Proje	ct Nam		ntor				License/I	Permit/	Monito	ring Ni	umber		Boring Number				
Boring	g Drille	d By: 1	gy Ce Name o	f crew chief (fir	st, last) a	and Firm		Date Dril	ling St	arted		Da	ate Drilling Completed				Drilling Method	
Lydia Auner												Same Drinning Compressed				hand		
TŘC									5/10	/2021				5/10/2	2021		au	ger/shovel
WI Uı	nique W	ell No		DNR Well II	) No.	Common Well N	Vame	Final Stat	tic Wat	ter Leve	el	Surfac	e Elevat	tion	r	Bo	rehole	Diameter
Local	Grid Or	rigin		timated: 🗆 )	or Bo	ring Location	1		Feet I	MSL			Fee	rid Lor	L		3.0	inches
State	Plane	iigiii	35	57143  N, 22	222772	$E \otimes C/N$		La	t <u>42</u>	<u>°</u> _ 58	<u>3' 33</u>	322 "				ſ		ПБ
NW	1/4	of N	W 1	/4 of Section	23,	т 6 N, R 1	2 Е	Long	<u>, 89</u>	°2	<u>.' 59</u>	427 "		Feet				Feet 🗌 W
Facilit	y ID			County	1		С	County Co	de	Civil T	own/C	ity/ or V	/illage					
		1	1	Dane	2		1	13		Town	1 of C	hristi	ana					
Sar	nple	-												Soil	Prope	erties		-
	(in)	ts	set		Soil/I	Rock Description							e/e					
r pe	Att. red	youn	n Fe		And G	eologic Origin For			70	0	8		essiv h	e t		τ <sub>ζ</sub>		ents
mbe I Tyj	ngth cove	N N	pth ]		Ea	ch Major Unit			Ü	iddi g	il Igrai	O/FI	mpr	istu nten	nit	stici ex	00	Q.
Nu and	Lei Re	Blc	De						n.	Lo Lo	We Dia	IId	Str.	δĞ	Lic	Pla Ind	P 2	Co RO
1 HA	21		F	SILT (ML), c crumbly (not c	lark brow cohesive)	/n (7.5YR 3/2), no -	odor, mo	oist,										Hand augered to 1.25 ft bgs,
					,				ML									hit rock. Shoveled rock
			_ 1															out, continued hand
	-		-	End of boring	at 1 75 f	t hos (Refusal)					-							augering.
				Ling of coring		e ogo (itorabal)												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Jdia A	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	)			

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	Wa

Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1
Facility/Project Name RockGen Energy Center							License/Permit/Monitoring Number Boring Number											
Boring Drilled By: Name of crew chief (first, last) and Firm						Date Drilling Started Date Dr					e Drilli	rilling Completed			Drilling Method			
Lydia Auner																		
TRC						Einel Ctu	5/10	/202	1	[C			5/10/2	2021	D	hand auger		
WIUr	ique w	ell No	•	DN	K well ID No.	Common Well Name	Final Sta	itic wa Feet I	ter Le	vel	Su	rtace	Elevai Fee	tion et MS	L.	BC	3 0 inches	
Local	Grid Or	rigin	(e	stimate	ed: 🗌 ) or Bor	ing Location	<u> </u>	10001				]	Local C	Grid Lo	cation		5.0	
State	Plane		3.	57050	) N, 2222775	E  (S)/C/N	La	at $_{42}$		8' :	32.40	0"		🗆 N				Ε
NW	1/4	of N	W 1	1/4 of \$	Section 23,	T 6 N, R 12 E	Lon	<u>g 89</u>	) ° 	<u>2' :</u>	59.40	8"	7.11	Feet			]	Feet 🗌 W
Facilit	уШ				Dane		County Co	ode		Iown m of	City/	or v istiz	illage					
San	mle				Dane		15		100			15110	liia	Soil	Prope	erties		
					Soil/R	ock Description												-
	.tt. <i>8</i> sd (in	unts	Feet		And Ge	cologic Origin For							sive					ts
ber 「ype	th A vere	, Coi	h In		Eac	ch Major Unit		S C	hic		ram	ED	pres	ture	t E	icity <		men
Num T bua	Leng	Зlow	Dept			3		D S C	Grap	Well	Diag		Com	Mois	imi	Plast	5 20(	Com 20
1	24		-	SIL	T (ML), low plastic	tity, dark brown (7.5YR 3	/2), no		Τī			_	0 01					
HA	24		E	odoi	, moist, crumbly (ne	ot cohesive).		ML										
			-1															
			E	LEA	AN CLAY (CL), lo	w plasticity, brown (7.5Y	R 4/4),	CL										
L			-2	- no o End	dor, moist, cohesive	e	/			4								
								1										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Jdia A	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	1			

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1
Facility/Project Name RockCon Energy Center							License/Permit/Monitoring Number Boring Number									
Boring Drilled By: Name of crew chief (first, last) and Firm							Date Drilling Started Date Dr					ng Con	npleted	SD	5-21 Drilling Method	
Lvdia Auner						Date Drining Started				e Diim	Drining Completed				hand	
TRC							5/10/2021					5/10/2	2021		au	ger/shovel
WI Unique Well No. DNR Well ID No. Common Well Name						Final Sta	tic Wat	er Leve	el	Surface	e Elevat	tion		Bc	rehole	Diameter
							Feet N	ASL			Fee	et MSL 8.			8.0	inches
State	Grid Oi Plane	ngin		56934  N, 2222804	$E \otimes C/N$	La	t42	<u>°</u> _ 58	31.	<u>252 "</u>	Local	ma Loo	cation	r		
NW	1/4	of N	W 1	1/4 of Section 23,	T 6 N, R 12 E	Long	<u>89</u>	<u>° 2</u>	<u> </u>	032 "		Feet			]	Feet $\square$ W
Facilit	y ID			County		County Co	de (	Civil T	own/Ci	ty/ or V	Village					
				Dane		13		Towr	n of C	hristia	ina					
San	nple											Soil	Prope	erties		-
	(ii) &	ts	gt	Soil/F	Rock Description						و					
г ө	Att. red (	oun	n Fe	And Ge	eologic Origin For						ssiv	9		Σ.		ants
Typ	igth sove	w C	oth I	Ead	ch Major Unit		CS	phic	ll grar	NFII	npre	istur	uid	sticil ex	00	D/
Nui and	Ler Rec	Blo	Del				n s	Gra Log	We Dia	PIL	Co1 Stre	Mo Coi	Lin	Pla. Ind	P 2	RQ Coi
$\frac{1}{H\Delta}$	11		F	LEAN CLAY (CL), lo	w plasticity, dark brown (	(7.5YR	CL									Hit rocks at 0.75 ft bgs
			F	LEAN CLAY (CL), ye	ellow (2.5Y 7/6) to brown	(7.5YR	CL									with ahnd
				4/4), few coarse subang	ular gravel (possibly weat	thered										rocks out with
				End of boring at 0.9 ft b	ogs, refusal on what appea	ars to be										ft bgs.
				bedrock or a rock >6" d	nameter with a flat top.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	jdie A	Fin	<sup>1</sup> TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	Watershed/Wastewater	
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Remediation/Redevelopment

Waste Management 
Other

															Pag	ge 1	of	1	
Facilit	y/Projec	t Nam	ie C				License/	Permit/	Moni	itor	ing Nu	umber		Boring Number					
Boring	Driller	Ener $\frac{1}{1}$ By: 1	gy Ce Name o	nter	chief (first_last) ar	nd Firm	Date Drilling Started Date D						ate Drilli	Drilling Completed				Drilling Mathad	
Lvd	ia Au	ner	vuine o	l elew	enner (mst, iust) ur		Dute DI	ning 5	unteu	•				ing con	npieteu			ing wethod	
TRO	2							5/10	/202	21				5/10/2	2021		ha	nd auger	
WI Ur	ique W	ell No.		DNF	R Well ID No.	Common Well Name	Final Sta	atic Wa	ter Le	eve	1	Surfa	ce Eleva	tion	-	Bo	orehole	Diameter	
Local	Crief Or	iain		timata	di 🗌 ) an Dani	ing Logation M		Feet I	MSL	-			Fee	et MS	L		3.0	inches	
State Plane 356853 N. 2222807 E (S/C/N								at <u>42</u>	<u> </u>	58	<u>'</u> 30.	.449'				r		ПБ	
NW $1/4$ of NW $1/4$ of Section 23. T 6 N. R 12 E							Lon	g89	)°	2	<u> </u>	.003 '		Feet				Feet 🗌 W	
Facilit	y ID				County	0	County Co	ode	Civil	l To	own/C	ity/ or	Village						
					Dane		13		Tov	wn	of C	hrist	tiana	~ 14					
San	nple													Soil	Prope	erties	1	-	
	& (in)	ıts	eet		Soil/Re	ock Description							ve						
er 'pe	n Att ered	Cour	In F		And Ge	ologic Origin For		s	. <u>.</u>		В		ressitth	r te		ity		ents	
d Ty	ngth	ow (	spth		Eacl	h Major Unit		SC	aphi	ac	ell agra	D/FI	impi	oistu	quid	astic dex	200	D/ D/	
<u>a</u> Z	Le Re	Bl	Ď	CII 7		ter dente hursen (7 SVD 2)	(2)	D	5,	Ц П	Di K	PI	<u>5</u> Č	Σŭ	ĒĒ	Pl: In	P	<u> </u>	
HA	24 24		E	odor	, moist, crumbly.	ity, dark brown (7.5 f K 5/	2), 110	ML											
			-1	TEA	NCLAY (CL) 1		1.		$\parallel \mid$	Щ									
			E	brow	n (10YR 4/4), no o	dor, moist, cohesive.	n	CL		$\land$									
									$\square$										
				End	of boring at 2 ft bgs														
								·	<u> </u>			1	1		I			•	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Jdia A	mu	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	41		,	()

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	V

Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1	
Facilit Roc	y/Proje¢ kGen	et Nam Ener	ne gy Ce	enter		License/I	License/Permit/Monitoring Number						Boring Number SB-23				
Boring	g Drilleo	l By: ]	Name c	of crew chief (first, last) a	and Firm	Date Dri	Date Drilling Started Date					ng Con	npleted		Drill	ing Method	
Stev TR	ve Sel C	lwoo	d				5/10/2021					5/10/2021				nd auger	
WI Ur	ique W	ell No		DNR Well ID No.	Common Well Name	Final Sta	tic Wat	er Leve	el	Surfac	e Elevat	tion		Bo	rehole	Diameter	
							Feet N	ASL			Fee	t MSI	L .		3.0	inches	
Local	Grid O1	rigin		stimated: 🗌 ) or Boi	ring Location $\square$	La	t 42	° 58	' 39.	.118 "	Local C	brid Loo	cation			_	
NIW		ef N	$\mathbf{w}$	$\frac{1}{4} = \frac{1}{2} \frac{1}{10}$	$E \otimes C/N$	Lon	- 89	° 3	2	065"		Fast			1	E E	
Facilit	v ID	01 1	VV .	County	10 N, K12 E	County Co	de [	 Civil T	own/C	itv/ or `	Village	гееі			1	reet 🗆 w	
1 401110	, 12			Dane		13		Town	n of C	hristi	ana						
San	nple											Soil	Prope	erties			
	2 3		L	Soil/R	Rock Description												
	tt. 8 sd (i	unts	Fee	And Ge	eologic Origin For						sive					ts	
ber	th A vere	Co	h In	Eac	ch Maior Unit		S ()	hic	ram	Ē	pres	ture	p	icity	-	men	
umV L pu	leco	Blow	Jept				] S (	Jrap	Vell Diag		Com	Aois	imi	last	200	OD TO	
1	24	I	-	LEAN CLAY (CL), lo	w plasticity, brown (7.5Y	R 4/3),						20		I	H		
HA	24		Ē	no odor, moist.													
			-1	Color change to strong	brown (7.5YR 4/6).												
			F				CL										
	21		-2														
$ {\rm HA} $	$\frac{21}{21}$		F														
			E						1								
			F	SANDY LEAN CLAY strong brown (7.5YR 4)	(CL), mostly clay, some	sand,	CL										
			F	SANDY LEAN CLAY	WITH GRAVEL (CL)	, mostly	CL	× 6. 9.	1								
				(7.5YR 4/6), no odor, n	ravel (sandstone), strong l noist.	brown											
				End of boring at 3.75 ft	bgs (refusal).												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

/08 Heardand Trait Madison, w1 53/1/ Fax: (008) 820-3941	Signature	adie A	Firr	<sup>1</sup> TRC Environmental Corporation	Tel: (608) 826-3600
		Jan 1	101001	/08 Heartland Trail Madison, w1 53/1/	Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1	
Facilit	y/Projec	t Nam	e					License/Permit/Monitoring Number						Boring Number					
Roc	kGen	Ener	gy Cer	iter	of (finat loat) of	d Firms		Data Drilling Started Data					SB.				-24	in a Mathad	
Stor			vanie or 1	ciew cine	el (Ill'si, lasi) al	и гиш		Date Dinning Statted					Date Drining Completed					Drilling Method	
TR	C Sen C	wood	1					5/10/2021						5/10/2	2021		ha	nd auger	
WI Ur	ique W	ell No		DNR W	/ell ID No.	Common Well Nar	ne	Final Sta	tic Wat	er Leve	el	Surfac	e Elevat	tion		Bo	rehole	Diameter	
									Feet N	ASL			Fee	t MS	[		3.0	inches	
Local	Grid Or Plane	igin		timated: 7723 N	□ ) or Bor 2222495	ing Location $\boxtimes$		La	t 42	° 58	' 39.	.084 "	Local C	Grid Loo	cation				
NW	1/A	of N	W 1	//25 IN	$\frac{2222+75}{100}$	т б м в 12 і	F	Long	, 89	° 3	' 3.	.070 "		Feet			I	E E E	
Facilit	y ID	01 14	•• 1/	- 01 Seen	County	10 N, K 12 I	C	County Co	de	Civil T	own/C	ity/ or	Village	Teel			1		
				I	Dane		1	13		Towr	n of C	hristi	ana						
San	nple													Soil	Prope	erties			
	& in)	s	GT I		Soil/R	ock Description							0						
. o	Att. ed (	ount	n Fe		And Ge	ologic Origin For							ssive	0		x		nts	
nber Typ	gth /	ς κ	th Ir		Eac	h Major Unit			CS	phic	l gran	FID	ngth	sture	it d	ticit	0	D/	
Nun and	Len, Rec	Blov	Dep						U S	Gra <sub>]</sub> Log	Wel Diag	Í	Con	Moi	Ligu	Plas Inde	P 20	RQI Con	
1	24		_	LEAN ( $\frac{2}{2}$ ) m	CLAY (CL), lov	w plasticity, dark brow	wn (7	7.5YR											
ПА	24			5/2), 110	odor, moist.														
			-1																
											1								
2	24		-2						CL		1								
HA	24										1								
			-3	Color ch	nange to brown (	7.5YR 4/4)					1								
			-		0														
			-4	End of h	oring at 4 ft bas					[]]]	1								
				Life of 0	oring at 4 it ogs														
										-		-			-				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Jdia A	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
	1			

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater

Waste Management 
Other

													Pag	ge 1	of	1			
Facilit	y/Proje	et Nam	ne			License/I	License/Permit/Monitoring Number							Boring Number					
Roc	kGen	Ener	gy Ce	enter	1.77								1 . 1	SB	-25	-25			
Boring	g Drilleo	i By:	Name o	of crew chief (first, last) a	nd Firm	Date Dri	lling St	arted		Dat	e Drilli	ng Con	npleted		Drill	ing Method			
TRO	la Au	ner			1		5/11/	/2021				5/11/2	2021		ha	nd auger			
WI Uı	ique W	ell No	•	DNR Well ID No.	Common Well Name	Final Sta	tic Wat	er Leve	l	Surface	e Elevat	tion	r	Bo	rehole	Diameter			
Local	Grid Or	iain		stimated: D) or Por	ing Logation M		Feet N	/ISL			Fee	rid Lor	L		3.0	inches			
State	Plane	Igili	3:	57685  N, 2222500	$E \otimes C/N$	La	t <u>42</u>	<u>° 58</u>	38.	709 "	Local C		N 🗌	I		Ε			
NW	1/4	of N	W	1/4 of Section 23,	T 6 N, R 12 E	Long	<u>g 89</u>	<u>° 3</u>	<u>'</u> <u>3</u> .	009 "		Feet	S		]	Feet 🗌 W			
Facilit	y ID			County		County Co	de	Civil To	own/Ci	ty/ or V	/illage								
			1	Dane		13		Towr	n of C	hristia	ana	~ 14		<u> </u>					
Sar	nple											Soil	Prope	erties					
	<b>&amp;</b> (ii)	ts	set	Soil/R	ock Description						e								
ຼ່ອ	Att. red	uno	n Fe	And Ge	ologic Origin For				_		ssiv	9		<u></u>		nts			
Typ	gth ove	C A	th I	Eac	h Major Unit		CS	phic	l grar	/FII	ngtl	stur	it di	ticii	Q	J			
Nur and	Len Rec	Blo	Dep				U S	Gra Log	We] Dia	DID	Cor	Cor	Lig	Plas	P 2(	Cor			
1 HA 2 HA	24 24 24		-1 -2 -3	LEAN CLAY (CL), da moist, crumbly. Color change to dark br clumpy/cohesive. SANDY LEAN CLAY trace fine to coarse roum 3/4), no odor, moist. POORLY GRADED S medium-grained sand, 1 moist, loose. End of boring at 4 ft bgs	rk brown (7.5YR 3/2), r own (7.5YR 3/4), (CL), mostly clay, little ded gravel, dark brown ( GAND (SP), fine- to ight brown (7.5YR 6/4), s.	io odor, sand, (7.5YR no odor,	CL CL SP									Two attempts: refusal around 1 ft bgs on first attempt, moved ~2 ft away and started second borehole.			

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	jdie A	Fi	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941
( )				

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	W

Watershed/Wastewater

Waste Management 
Other

															Pag	ge 1	of	1	
Facili	ty/Proje	ct Nam	ie Co					License/l	Permit/	Monitor	ring Nu	mber		Boring	Numbe	er SD	26		
Borin	g Drille	d By: 1	gy Ce Name o	nter f crew chief (first	last) a	nd Firm		Date Dri	lling St	arted		Da	te Drilli	e Drilling Completed				ing Method	
Ly	dia Au	ner			, ,								8						
ŤŔ	С							5/11/2021						5/11/2	2021		hand auger		
WIU	nique W	ell No.		DNR Well ID I	No.	Common Well Nan	ne	Final Sta	tic Wat	er Leve	1	Surfac	e Elevat	tion	r	Bc	rehole	Diameter	
Local Grid Origin (estimated: ) or Boring Location								reet r	ISL			Local C	rid Loo			5.0	Inches		
State Plane $357679 \text{ N}$ , $2222371 \text{ E}$ (S)/C/N							La	t <u>42</u>	<u>°</u> _ 58	38.	<u>659 "</u>	Locare	ina Eo	∏ N			ПЕ		
NW	1/4	of N	W 1	/4 of Section	23,	T 6 N, R 12 H	E	Long	g <u>89</u>	<u>°</u> <u>3</u>	<u> </u>	738 "		Feet	$\Box$ s		]	Feet W	
Facili	ty ID			County			C	ounty Co	de	Civil To	own/Ci	ty/ or	Village						
<u> </u>	1.			Dane			1	3		Town	n of C	hristi	ana	0.1	D				
Sa	mple	-												Soil	Prope	erties		-	
	t. &	nts	feet		Soil/R	lock Description							ive					~	
er Vpe	h At ered	Cou	InF		And Ge	eologic Origin For			s	ю.	u u		ressi	ure nt	_	sity		lents	
umb id Ty	ecov	MO	epth		Eac	ch Major Unit			SC	raph og	'ell iagra	D/F	omp	oist	quic	astic dex	200	DV/	
		BI	Ã	I FAN CLAV	(CL) de	ork brown (7 5VP 3/2)	) no (	odor	D		≥ä	Id	ŭ ŭ	ΣŬ	ΕË	Pl In	Ч	ŽŬ Three	
1 HA	24 24		2	LEAN CLAY ( moist, crumbly, At 1.75 ft bgs, a 7/6) fine sand (p rock/bedrock). End of boring at	(CL), da roots pr possibly t 2 ft bg	ark brown (7.5YR 3/2) resent (up to 1" thick). with pockets of yellow pieces of weathered s (Refusal)	), no (	yr _	CL									Three attempts: refusal around 0.75 ft in first hole (possibly tree root), refusal at 1.5 ft bgs on rocks in second hole, then moved about 4 ft away for third hole.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	jdie A	Firm	TRC Environmental Corporation 708 Heartland Trail Madison, WI 53717	Tel: (608) 826-3600 Fax: (608) 826-3941

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W
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Watershed/Wastewater 
Remediation/Redevelopment

Waste Management 
Other

																	Pag	ge 1	of	4	
Facilit Roc	y/Proje kGen	et Nam Ener	ne ·gy Ce	nter						License/	Permit/	Monito	ring N	umber		Boring	Numb	er PZ	-01		
Boring	g Drilleo	1 By: 1	Name o	f crev	v chief (fii	rst, last) a	nd Firm			Date Dri	lling St	arted		Da	te Drilli	ng Con	npleted		Drill	Drilling Method	
Ada Cas	um Joo cade	chims	son								6/1/	2021				6/9/2	021		Mud Rotary		
WI Ur	ique W	ell No	•	DN	JR Well II	) No.	Comm	on Well Nai	me	Final Sta	tic Wa	ter Leve	el	Surfac	e Eleva	tion		Bo	orehole	Diameter	
	VU	J637						PZ-01			Feet I	MSL			942.6	Feet N	/ISL		12.5	5 inches	
Local Grid Origin $\square$ (estimated: $\square$ ) or Boring Location $\boxtimes$ State Plane 357106 N 2223286 F $\bigotimes C/N$								La	t 42	° 58	32	.895 "	Local (	Grid Loo	cation			_			
State Plane $33/100$ N, $2223200$ E (S/C/N NW 1/4 of NW 1/4 of Section 23 T 6 N B 12 E							Б	Lon	. 89	° 2	. 52	.522 "		Foot		ſ		E E			
Facility ID County							ounty Co	de de	Civil T	own/C	ity/ or	Village	гееі				reet 🖂 w				
	,				Dane	e			1	3		Town	n of C	hristi	ana						
San	nple															Soil	Prope	erties			
	E &	10	, t			Soil/R	lock Des	scription													
o	Att ed (j	ounts	I Fee			And Ge	eologic (	Drigin For							ssive	0		>		ıts	
lber Typ	gth ∕ over	v Cc	th In			Eac	h Major	Unit			CS	ohic	ram	ED	pres	sture	it id	ticity	0	D/	
Nun <sup>,</sup> and	Leng	Blov	Dept				_				U S	Grap Log	Well Diag	, U	Com	Mois Cont	Liqu	Plast Inde	P 20	Com	
			E		LT WITH	GRAVEI	L (ML),	trace to few	fine sa	and, [	ML									12.5" diameter	
			È.	(TC	DPSOIL).	-plastic, T	01K 2/2	very dark of	own		мт									drilled to 280	
			-5	GR coh	RAVELLY nesive, non-	SILT (M -plastic, gi	IL), som ray (10Y	e fine angula R 5/1).	ar grav	vel,	IVIL									permanent 6" casing set to	
				DC	DLOMITE	, pale brow	wn (10Y	R 6/3).												280 ft bgs, and 6"	
												Ζ́,Ζ								diameter	
			F.									Z_7								advanced	
			E									Z								ft bgs.	
			E									Z,Z								sampled	
			$=^{20}$	nal	a brown to	nala brow	m (10VD	(6/2) and tra	a lia	at		Z_7								periodically during	
			E	bro	wnish gray	v (10YR 6/	/2)	( 0/2) and ita	ice ligi	III		Z,Z								drilling.	
			-25									7,7									
			F									Z_7									
			-30	son	ne shale, g	rav (10YR	6/1)					77									
			F				,					77									
			-35									77									
			F																		
			-40									77									
			E									//									
			-45	son	ne to little	shale pale	brown to	o very pale b	rown (	10YR											
			F	7/3	)	-															
			E_50									7									
			= 30																		
			E 55	SA	NDSTON	E. fine or	ained no	le brown (10	YR 6/	(3) to		<u> </u>									
			F 33	ligh	nt yellowisl	h brown (1	10YR 6/4	4).	110/	5700											
			Ē																		
			- 60																	L	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature m m	Firm TRC Environmental Corporation	Tel: (608) 826-3600
Ross Hartwing	708 Heartland Trail Madison, WI 53717	Fax: (608) 826-3941

Boring Num	ber	PZ-	01 Use only as an attachment to Form 4400-1	22.						Paş	ge 2	of	4
Sample	-								Soil	Prope	erties	_	
Number and Type Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		-65 -70 -75 -80 -90 -95 -100 -105 -100 -110 -125 -130 -135 -140 -145 -150 -155 -160	DOLOMITE, pinkish white (7.5YR 8/2). pinkish white to white (2.5Y 8/1) little yellow (10YR 7/6), some light gray (10YR 7/1)										Driller indicates a hard rock layer to drill

	4
Sample         Soil Properties	_
av (ii)     ss     to       time     time     to	8
$3 \xrightarrow{1}{1} \xrightarrow{2}{1} \xrightarrow{1}{1} \xrightarrow{1} \xrightarrow$	/ nents
Numuland The second and The second a	Com
Little white (10YR 8/1), some yellowish brown (10YR	
pale brown to light yellowish brown (10YR 6/4)	
175 light vellowish brown to pale brown (10YR 6/3)-light	Driller
yellowish brown (10YR $6/4$ ), trace yellow (10YR $7/6$ )	indicates a hard rock
	layer to drill
pale brown-light yellowish brown to white (10YR 8/1)	Driller
	softer rock
fine grained to very fine grained white to light gray	
$\frac{1}{210} \frac{1}{(10 \text{ yr } 7/1)}$	
$\sim$	
gray and pinkish gray to reddish gray (5YR 5/2)	

Boring	g Numb	ber	PZ-	01 Use only as an attachment to Form 4400-12	22.			_			Pag	ge 4	of	4
San	nple	_								Soil	Prope	erties	_	
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
		E	265 270 275 280 290 295 300	reddish gray to dark reddish brown (5YR 3/3) End of boring at 303 feet.									F	6" permanent casing set at 280 ft bgs, grouted between casing and borehole to just below ground surface. Mud rotary drilling with 6" diameter continued from 280-303 ft bgs. Well set at 300 ft, screened from 290-300 ft bgs



#### SURFICIAL SOIL SAMPLE LOG

PROJECT NAME: RockGen		PRE	PARED	(	CHECKED					
PROJECT NUMBER: 437865.0	000.0000	BY: LCA	DATE: 7/26/2021	BY: MLW	DATE: 8/16/21					
SAMPLE COLLECTION METHOD:	Shovel									
SAMPLE SCREENING EQUIPMENT	PID GA	MMA DETECTOR	NC	DTES: No	screening conducted					
SAMPLE LOCATION ID:	SS-01	COLLECTED BY	: Patrick Goetz, D	irect Push Ana	alytical					
NORTHING: 357076.8849		LOGGED BY:	Meredith Westow	ver, TRC						
EASTING: 2222897.089		DATE COLLECT	ED: 4/21/2021							
SAMPLE DESCRIPTION: 0-1 ft bgs: <b>SILTY GRAVEL (GM)</b> , some fines, little fine sand, 10YR 5/3 brown. (FILL)										
SAMPLE LOCATION ID:         SS-02         COLLECTED BY: Patrick Goetz, Direct Push Analytical										
NORTHING: 357147.2102		LOGGED BY:	Meredith Westow	ver, TRC						
EASTING: 2222911.721		DATE COLLECT	ED: 4/21/2021							
SAMPLE DESCRIPTION:	0-1 ft bgs: SILTY GRAM 1-1.3 ft bgs: SILTY LEA	/EL (GM), some fi AN CLAY (CL-ML)	ines, little fine sand, , plastic, 10YR 3/3 d	10YR 5/3 browr ark brown.	ı. (FILL)					
SAMPLE LOCATION ID:	SS-03	COLLECTED BY	: Patrick Goetz, D	irect Push Ana	alytical					
NORTHING: 357023.7191		LOGGED BY:	Meredith Westow	ver, TRC						
EASTING: 2222898.423		DATE COLLECT	ED: 4/21/2021							
SAMPLE DESCRIPTION:	0-1 ft bgs: SILTY GRAM	/EL (GM), large ro	ock, some fines, 10Y	R 5/3 brown. (F	ILL)					
SIGNATURE:			DA	TE SIGNED:	8/16/2021					

# 

#### SURFICIAL SOIL SAMPLE LOG

PROJECT NAME: RockGen	PREPARED	CHECKED									
PROJECT NUMBER: 437865.0000.0000	BY: LCA DATE: 7/26/202	BY: SMS DATE: 8/5/2021									
SAMPLE COLLECTION METHOD: Trowel											
SAMPLE SCREENING EQUIPMENT: PID GAMMA DETECTOR NOTES: No screening conducted											
SAMPLE LOCATION ID: SS-04	COLLECTED BY: Lydia Auner, TF	C									
NORTHING: 357662.9484	LOGGED BY: Lydia Auner, TF	C									
EASTING: 2222280.096	DATE COLLECTED: 5/11/2021										
SAMPLE DESCRIPTION: LEAN CLAY (CL), low of/between rocks, scra	plasticity, brown (7.5YR 4/3), no odor ped off soil using trowel.	dry/crumbly. Soil only 1-2" thick on top									
SIGNATURE: Judie Annes	D	ATE SIGNED: 8/19/2021									

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

		Route t	to DNR Bureau:									
Verification Only of Fill a	nd Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	Redevelopment				
		Πv	Vaste Manageme	nt 🗌	Other							
1. Well Location Information			<u> </u>	2. Facility /	Owner In	formation						
County WI Unique W	ell # of	Hicap #		Facility Name								
Removed We				RockGen I	Energy Cei	nter						
Dane (SB-01)	)	l Os da	Mathe al Oada	Facility ID (FID	0 or PWS)							
Lattitude / Longitude (see Instructions)	Forma		GPS008									
42.9//23° N		DDM	SCR002	License/Permit/Monitoring #								
	Section T	ownshin										
	23	6	6 12 E Original Well Owner									
or Gov't Lot #	20	0			2							
Well Street Address				Present Well C	Jwner							
2346 Clear View Road				Dennis Oe Mailing Addres	hring	nt Owner						
Well City, Village or Town		Well ZIF	<sup>o</sup> Code									
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code				
Subdivision Name	Lot #		Cambridge	-		WI	53523					
			4. Pump. Li	iner. Scree	en. Casing & Sealing Ma	terial	55525					
Reason For Removal From Service	VI Unique Well	# of Replace	cement Well	Pump and u	nining remov	ved?	Yes	No 🕅 N/A				
Testing completed				Liner(s) ren	piping remo noved?		Yes 🗌	No 🕅 N/A				
3. Filled & Sealed Well / Drillhole	/ Borehole li	formatio	on XIII X	Liner(s) per	rforated?		Yes 🗌	No 🕅 N/A				
Monitoring Well	ruction Dat	te (mm/dd/yyyy)	Screen removed?									
Water Well	04/20/202			Casing left	in place?		Yes 🗌	No 🕅 N/A				
Borebole / Drillbole	If a Well Co	nstruction I	Report is		'							
	available, pl	ease attac	h.	Did coaling	matorial ris	o to surface?	Yes					
Construction Type:				Did sealing	liateriariis al sottle after	24 hours?	∃ Yes □	No 🕅 N/A				
Drilled Driven	(Sandpoint)		Dug	If ves wa	as hole retor	ned?	Yes 🗌	No 🕅 N/A				
Other (Specify)				If bentonite	chips were	used, were they hydrated						
Eormation Type:				with water f	from a know	n safe source	Yes 🗌	No 🗌 N/A				
	Π.	)ll-		Required Meth	nod of Placir	ng Sealing Material						
		Bedrock		Conduc	tor Pipe-Gra	avity 🗌 Condu	uctor Pipe-P	umped				
Total Well Depth From Ground Surface (	it) Casing Di	ameter (in.	.)	Screene	ed & Poured	Other	(Explain)	•				
				(Benton	ite Chips)							
Lower Drillhole Diameter (in.)	Casing De	epth (ft.)		Sealing Materi	ials	_						
2.0				Neat Ce	ement Grout		oncrete					
			1	Sand-C	ement (Con	crete) Grout 🛛 🖾 Be	entonite Chi	ps				
Was well annular space grouted?			Unknown	For Monitoring	g Wells and	Monitoring Well Boreholes C	Only:					
If yes, to what depth (feet)?	Depth to wate	r (teet)		Bentoni	te Chips	Bentonite - C	Cement Gro	ut				
						No. Vardo, Sacko Soc		Mix Patio				
5. Material Used to Fill Well / Dril	lhole			From (ft.)	To (ft.)	or Volume (circle of	ne) o	r Mud Weight				
							-					
3/8" bentonite chips				Surface	4.2	0.09 cubic feet						
6. Comments												

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	& Sealing License #		Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signatu/e of Person Diping Work		Date Signed
St. Charles	IL	60175	Jydia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

Verification Only of Fill and Seal     Drinking Water     Watershed/Wastewater     Watershed/Wastewater     Watershed/Wastewater     Watershed/Wastewater     Verification/Redevelop     Verification Information     County     WI Unique Well # of     Hicap #     Facility Name	ment					
Waste Management     Other       1. Well Location Information     2. Facility / Owner Information       County     WI Unique Well # of						
1. Well Location Information     2. Facility / Owner Information       County     WI Unique Well # of     Hicap #						
County WI Unique Well # of Hicap #  Facility Name						
Removed Well RockGen Energy Center						
Dane (SB-02) Facility ID (FID or PWS)						
42.9//21 ° N SCR002 License/Permit/Monitoring #						
23 6 12 E Original Well Owner						
Well Street Address Present Well Owner Description						
2346 Clear View Road						
Well City, Village or Town Well ZIP Code 2246 Clear View Read						
Cambridge 53523 City of Present Owner State ZIP Code						
Subdivision Name Lot # Cambridge WI 53523						
4. Pump, Liner, Screen, Casing & Sealing Material	4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service   WI Unique Well # of Replacement Well   Pump and piping removed?	N/A					
Testing completed Yes No X	N/A					
3. Filled & Sealed Well / Drillhole / Borehole Information	N/A					
Monitoring Well Original Constituction Date (mm/dd/yyyy) Screen removed? Yes No	N/A					
Water Well Casing left in place?	N/A					
Borehole / Drillhole If a Well Construction Report is	N/A					
Did sealing material rise to surface?	N/A					
Construction Type:	N/A					
☑ Drilled       □ Driven (Sandpoint)       □ Dug         If yes, was hole retopped?       □ Yes □ No ☑	N/A					
Other (Specify)						
Formation Type: Yes No	N/A					
Unconsolidated Formation Bedrock Required Method of Placing Sealing Material						
Tatal Wall Danth From Crowned Surface (#) Conductor Pipe-Gravity						
Total Weil Depth From Ground Surface (it) Casing Diameter (in.)						
Sealing Materials						
Lower Drillhole Diameter (in.) Casing Depth (ft.)						
2.0 Sand-Cement (Concrete) Grout Bentonite Chins						
Was well annular space grouted?						
If ves. to what depth (feet)? Depth to Water (feet)						
Granular Bentonite						
5 Material Lload to Fill Well / Drillholo Erom (ft.) To (ft.) No. Yards, Sacks Sealant Mix Rat	о					
5. Material Used to Fill Well / Drilliole or Mud We	ight					
3/8" bentonite chips Surface 5.0 0.11 cubic feet						
6. Comments						

7. Supervision of Work	DNR Use Only				
lame of Person or Firm Doing Filling & Sealing License #		Date of Filling & Sealing or Verification	Date Received	Noted By	
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signature of Person Doing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021
			00		

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

□ Verification Only of Fill and Seal       □ Drinking Water       □ Watershed/Wastewater       ☑ Remediation/Redevelopment         1. Well Location Information       2. Facility / Owner Information       Image: Control of the control
Image: Master Management       Other         1. Well Location Information       2. Facility / Owner Information         County       WI Unique Well # of Removed Well       Hicap #         Dane       (SB-03)         Lattitude / Longitude (see instructions)       Format Code         42.97609 °       N         -89.04947 °       DD         -89.04947 °       DD         -89.04947 °       DD         -89.04947 °       DD         Well Street Address       Township         2346 Clear View Road       Township         Well City, Village or Town       Well ZIP Code         Subdivision Name       Lot #         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well
1. Well Location Information       2. Facility / Owner Information         County       Wi Unique Well # of Removed Well       Hicap #         Dane       (SB-03)         Lattitude / Longitude (see instructions)       Format Code         42.97609 °       N         -89.04947 °       W         V/ ¼ NW       ½         V/ ¼ NW       ½         V/ ¼ NW       Section         Corr Gov't Lot #       Color         Vell Street Address       Township         2346 Clear View Road       Sasca         Well City, Village or Town       Well ZIP Code         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well
County       WI Unique Well # of Removed Well (SB-03)       Hicap #       Facility Name RockGen Energy Center         Lattitude / Longitude (see instructions)       Format Code       Method Code       GPS008         42.97609 °       N       DD       DD       GPS008         -89.04947 °       W       DD       DDM       OrtHoot         '¼ /¼ NW       ¼       NW       Section       Township       Range       E         or Gov't Lot #       23       6       12       W       Present Well Owner         Well Street Address       2346 Clear View Road       Present Well ZIP Code       2346 Clear View Road       Mailing Address of Present Owner         Well City, Village or Town       Well ZIP Code       53523       City of Present Owner       2346 Clear View Road         Reason For Removal From Service       WI Unique Well # of Replacement Well       Feeplacement Well       Pump, Liner, Screen, Casing & Sealing Material
Removed Well       Removed Well       RecKGen Energy Center         Dane       (SB-03)       Format Code       Method Code       GPS008         42.97609 °       N       DD       GPS008       SCR002         -89.04947 °       W       DDM       OTH001       License/Permit/Monitoring #         '/' 'A NW       'A NW       Section       Township       Range       E         or Gov't Lot #       23       6       12       W       Original Well Owner         Well Street Address       2346 Clear View Road       Present Well Owner       Dennis Ochring         Well City, Village or Town       Well ZIP Code       53523       City of Present Owner         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Reason For Removal From Service       WI Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material
Dane       (SB-03)       Format Code       Facility ID (FID or PWS)         Lattitude / Longitude (see instructions)       Format Code       GPS008       Comment Code       GPS008         42.97609 °       N       DD       SCR002       License/Permit/Monitoring #         -89.04947 °       W       DD       OTH001       License/Permit/Monitoring #         '4/ ¼ NW       '4       NW       Section       Township       Range       E         or Gov't Lot #       23       6       12       W       Present Well Owner         Well Street Address       2346 Clear View Road       Mailing Address of Present Owner       2346 Clear View Road         Well City, Village or Town       Well ZIP Code       53523       City of Present Owner       2346 Clear View Road         Subdivision Name       Lot #       Lot #       City of Present Owner       State       ZIP Code         Reason For Removal From Service       WI Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material       N/A
42.97609 °       N         42.97609 °       N         -89.04947 °       W         ''/ ''A NW       ''A NW         ''A /'YA NU       ''A NW         ''A /'YA NU'       ''A NU'         ''A /'YA NU'       ''A NU'         ''B /'YA /'YA NU'       ''A NU'
42.97609       N       Image: Construct of the section of Gov't Lot #       DDM       Image: Construct of the section of Gov't Lot #       DDM       Image: Construct of the section of Gov't Lot #       Original Well Owner         Well Street Address       0       12       Image: Construct of the section of Gov't Lot #       Present Well Owner         2346 Clear View Road       0       Mell ZIP Code       Demis Oehring         Well City, Village or Town       Well ZIP Code       2346 Clear View Road         Subdivision Name       Lot #       Cambridge       Sa523         Reason For Removal From Service       WI Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material
Arry X       NW       Arry X       NW       Arry X       NW       Original Well Owner         or Gov't Lot #       23       6       12       W       Present Well Owner         Well Street Address       Present Well Owner       Dennis Oehring       Mailing Address of Present Owner         2346 Clear View Road       Mell ZIP Code       2346 Clear View Road       Mailing Address of Present Owner         Well City, Village or Town       Well ZIP Code       2346 Clear View Road       City of Present Owner         Subdivision Name       Lot #       Cambridge       State       ZIP Code         Reason For Removal From Service       WI Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material       N/A
or Gov Lot #     20     0     12     w       Well Street Address     Present Well Owner     Dennis Oehring       2346 Clear View Road     Mailing Address of Present Owner       Well City, Village or Town     Well ZIP Code       Cambridge     53523       Subdivision Name     Lot #       Reason For Removal From Service     WI Unique Well # of Replacement Well
Well Street Address       Present Well Owner         2346 Clear View Road       Dennis Oehring         Well City, Village or Town       Well ZIP Code         Cambridge       53523         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well
2346 Clear View Road     Definits Optiming       Well City, Village or Town     Well ZIP Code     2346 Clear View Road       Cambridge     53523     City of Present Owner       Subdivision Name     Lot #     Cambridge       Reason For Removal From Service     WI Unique Well # of Replacement Well     Pump, Liner, Screen, Casing & Sealing Material
Well City, Village or Town       Well ZIP Code       2346 Clear View Road         Cambridge       53523       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       Cambridge       State
Cambridge     53523       Subdivision Name     Lot #       Reason For Removal From Service     WI Unique Well # of Replacement Well
Subdivision Name     Lot #     Cambridge     WI     53523       Reason For Removal From Service     WI Unique Well # of Replacement Well     Hump, Liner, Screen, Casing & Sealing Material
Reason For Removal From Service       WI Unique Well # of Replacement Well         Removed Provide       Yes         NA
Reason For Removal From Service WI Unique Well # of Replacement Well
Testing completed Liner(s) removed?
3. Filled & Sealed Well / Drillhole / Borehole Information
Monitoring Well Original Constituction Date (min/dd/yyyy) Screen removed? Yes No X/A
Water Well         04/20/2021         □         Yes         No         N/A
Borehole / Drillhole If a Well Construction Report is
Did sealing material rise to surface?
Construction Type:
↓ Drilled       ↓ Driven (Sandpoint)       ↓ Dug         ↓ If yes, was hole retopped?       ↓ Yes       ↓ No       ↓ N/A
Other (Specify)
Formation Type: Ves No N/A
Unconsolidated Formation Bedrock Required Method of Placing Sealing Material
Conductor Pipe-Gravity
Total Well Depth From Ground Surface (it) Casing Diameter (in.)
Sealing Materials
Lower Drillhole Diameter (in.) Casing Depth (ft.)
2.0 Sand-Cement (Concrete) Grout Sentencies
Was well annular space grouted? Ves No Unknown For Monitoring Wells and Monitoring Well Boreholes Only
If ves. to what depth (feet)? Depth to Water (feet) Bentonite Chips Bentonite - Cement Grout
Granular Bentonite
5 Material Lload to Fill Well / Drillholo Erom (ft.) To (ft.) No. Yards, Sacks Sealant Mix Ratio
5. Material Used to Fill Well / Drilliole or Mud Weight
3/8" bentonite chips Surface 4.2 0.09 cubic feet
6. Comments

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.	tical Corp.		(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signat/re of Person poing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 c

Page 1 of 2

□ Verification Only of Fill and Seal       □ Oreking Water       □ WaterbadWastowater       ☑ Remediation/Redevelopment         1. Well Location Information       2. Facility / Owner Information         Caurry       [W Unique Well # of Heap #       Remediation/Redevelopment         Dane       (SB-04)       Remediation/Redevelopment         2.9.01947 *       N       Remediation/Redevelopment         2.9.01947 *       NW       Remediation/Redevelopment         2.9.01947 *       NW       Remediation/Redevelopment         2.9.01947 *       NW       Remover       Remediation/Redevelopment         2.9.01947 *       NW       Remover       Remediation/Redevelopment         2.36 (Clear View Road       Remediation/Redvelopment       Remediation/Redvelopment         2.346 (Clear View Road       Remediation/Redvelopment       State         2.346 (Clear View Road       Remover <th></th> <th></th> <th>Route t</th> <th>to DNR Bureau:</th> <th></th> <th></th> <th></th> <th></th> <th></th>			Route t	to DNR Bureau:						
Weak         Weak         Other           Curry         Marking Weil at Constructions         Formatic Code         Formaticode         Formatic	Verification Only of Fill a	ind Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 R	emediation/	Redevelopment	
1. Well location information         2. Facility / Owner Information           County         Withing Well #         Hicap #           Foculty Name         Foculty Name           Latitude / Longhude (see instructions)         Format Code         Foculty Name           28.0404 ^°         N         Foculty Name           28.0404 ^°         N         Section           27.17 NW         V         Section           28.0404 °         Comments         Comments           28.0404 °         Comments         Comments           28.0404 °         N         Section           28.0404 °         Comments         Comments           28.0404 °         Comments         Comments           28.040100         Comments         Comments           28.040100         Comments         Comments           28.040100         Comments         Comments           28.040100         Comments         Comments           28.0401000         Comments         Comments           28.04010000         Comments         Comments           28.04010000000000000000000000000000000000			Πv	Vaste Manageme	nt 🗌	Other				
County       Wit Unique Weil # Removed Weil (SB-04)       Heap # Removed Weil (SB-04)       Facility Name         Date       (SB-04)       Facility Name       Removed Weil Gastry 10 (FID or PWS)         Lattude / Longhade (see instructions)       Format Code       Genoration       Facility Name         _400.04947 °       W       Section       Commot Code       Facility Name         _400.04947 °       W       Section       Commot Code       Facility Name         _400.04947 °       W       Section       Commot Code       Facility Name         2346 Clear View Road       Commot Code       Facility Name       Eastruction Remote         2346 Clear View Road       Commot Code       Sistia       ZiP Code         Cambridge       53523       Coler View Road       Commot Code         Cambridge       Sistia       ZiP Code       Commot Code         Suddivision Name       Lot #       Cambridge       No<	1. Well Location Information			<u> </u>	2. Facility	Owner In	formation			
Dane         Rent/Vetal           Lattitude (see instructions)         Format Code         Format Code         Format Code           42.976/d1 ^ N         N         Constructions)         Constructions)         Constructions)           42.976/d1 ^ N         N         Section         Constructions)         Constructions)           47.1% NW         1% NW         Section         Constructions)         Constructions of Present Owner           23.66 Clear View Road         Mains Address of Present Owner         State         ZPC Code           Subdivision Name         Lot #         Construction Date (nmi/ddi/yyy)         Construction Transition (nmi/ddi	County WI Unique W	ell # of	Hicap #		Facility Name					
Lance       (SH-14)       Format Code       Format Code       Format Code         42.97604 °       N       DDM       Present Vell       LecnsePermitMonitoring #         ×89.04947 °       W       DDM       Present Vell       Original Well Conner         ×87.0497 °       W       DDM       Present Vell Conner       Present Vell Conner         ×87.0497 °       W       DDM       Present Vell Conner       Present Vell Conner         2346 Clear View Road       State       ZIP Code       State       ZIP Code         2346 Clear View Road       State       ZIP Code       State       ZIP Code         Cambridge       53523       Chright Present Owner       State       ZIP Code         Cambridge       State       ZIP Code       NA       NA         Testing completed       Iner(s) Periorate?       Yes       No       NA	Removed We				RockGen	Energy Cer	nter			
Lanuba / Longiade (see instructors) / 24.27604 ° N / 25.07002 -89.04947° W   2 NW   2 Section / 200   2 OK (see instructors) / 2 OK (see i	Dane (SB-04)	)	l Os da	Mathead Oada	Facility ID (FID	0 or PWS)				
42.97047°       N       Image Scream       Diverself Permit/Monitoring #         ×90.04947°       V       Image Scream       Original Well Owner         ×0.04947°       V       Street Address       Original Well Owner         vi/ X NW       % NW       Section       Township       Present Well Owner         vi/ X NW       % NW       Section       Township       Present Well Owner         2346 Clear View Road       Main Address of Present Owner       State       ZIP Code         Cambridge       53523       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       Cambridge       No       NA         Testing completed       Dify of Present Owner       Yes       No       NA         Stated Sected Well / Drillhole / Borshole Information       Unrer(s) periorater?       Yes       No       NA         Stated Sected Well / Drillhole       Original Construction Report is avalistic, please attach.       No       NA         Water Well       Original Construction Report is available, please attach.       No       NA         Water Well       Driven (Sandpoint)       Dug       Dide acting Reating attrain rise to surface?       Yes       No       NA         Water Well       Driven (Sandpoint)	Lattitude / Longitude (see Instructions)	Forma								
	42.97604° N		DDM	SCR002	License/Permi	it/Monitoring	<b>1</b> #			
All A NW       A W       Construction       Testings       E       Original Well Owner         2246 Clear View Road       Demis Ochring       Mailing Address of Present Owner       2246 Clear View Road         Well City, Village or Town       S3523       Clay Or Present Owner       State       ZIP Code         Subdivision Name       Lot #       Present Well       Cambridge       S3523         Reason For Removal From Service       Wil Unique Well # of Replacement Well       Pump and pring removed?       Yes       No       NA	$\frac{-89.0494}{16}$ W	Section 1	ownshin							
or Gov/Lot #       2.3       0       12       W         Well Street Address       Present Well Owner       Demis Ochring       Mailing Address of Present Owner         2346 Clear View Road       Mailing Address of Present Owner       State       Z/2 Clear View Road         Cambridge       53523       Cambridge       WI       53523         State       Lot #       Cambridge       WI       53523         Adduktion Name       Lot #       Cambridge       WI       53523         State       Zd/ Clear View Road       WI       53523         Adduktion Name       Lot #       Cambridge       WI       53523         State       Zd/ Clear View Road       WI       53523         Adduktion Name       Lot #       Cambridge       WI       53523         State       Zd/ Clear View Road       WI       53523         Mailing Address of Present Owner       State       Zd/ Clear View Road       WI         State       State       State       Zd/ Clear View Road       WI       Size         State       Origina Construction Date (nmr/dd/yyyy)       Oddress of Present Owner       Yes       No       NA         Construction Type:       Dinled       Driver (Sandpoint) <td< td=""><td></td><td>23</td><td>6</td><td></td><td>Original Well (</td><td>Owner</td><td></td><td></td><td></td></td<>		23	6		Original Well (	Owner				
Well Street Address       Present Well Owner         2346 Clear View Road       Demis Ochring         Well City, View Road       State         Well City, View Road       State         Well City, View Road       State         Well City, View Road       View Road         Well City, View Road       Will Order Reservice         Will State       216 Clear View Road         Cambridge       View State         State       219 Code         Cambridge       View State         Will City Of Preservice       View State         Order Construction Report is available, please attach.       No         Outseling material rise to surface?       Yes       No         Water Weil       If a Well Construction Report is available, please attach.       No       NA         Construction Type:       Drilled       Driven (Sampoint)       Dug       Yes       No       NA         Multing Address of Present (Specify)       Early State       Required Method Proped?       Yes       No       NA         Yese, State       No       Na	or Gov't Lot #	20	0		Due e e et Marin (	<u></u>				
2346 Clear View Road       Mailing Address of Present Owner         Well CKy, Village or Town       Cambridge         2346 Clear View Road       2346 Clear View Road         Cambridge       State         Subdivision Name       Lot #         Cambridge       View Road         Reason For Removal From Service       WI Unique Well # of Replacement Well         Testing completed       Out #         Stilled & Sealed Well / Drillhole / Borehole Information       Iner(s) removed?         Water Well       Original Construction Date (mm/dd/yyyy)         Other (specify)       Off-202021         Yes       No         Water Well       If a Well Construction Report is available, please attach.         Did material set to surface?       Yes       No         Other (Specify)       Driven (Sandpoint)       Dug         Other (Specify)       Free model Area (mather time)       Ves       No         Unconsolidated Formation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped         Screen removed?       Yes       No       NA         Identify the start start is a start of the start start is available, please attach.       Did material start set after 24 hours?       Yes       No       NA         Identify the start s	Well Street Address				Dennis Oehring					
Well City, Vilage or Town       Well ZiP Code       2346 Clear View Road         Cambridge       53523         Subdivision Name       Lot #         Lot #       Cambridge         Reason For Removal From Service       Wil Unique Well # of Replacement Well         Testing completed       Pump, Liner, Screen, Casing & Sealing Material         Pump, Liner(s) removed?       Yes         No       NA         Monitoring Well       Original Construction Date (mm/idd/yyyy)         Water Well       04/20/2021         If a Well Construction Report is available, please attach.       Did sealing material rise to surface?       Yes       No       NA         Construction Type:       If a Well Construction Report is available, please attach.       Did sealing material rise to surface?       Yes       No       NA         Other (Specify)       Driven (Sandpoint)       Dug       Id material sette after 24 hours?       Yes       No       NA         Yes, to what depth From Ground Surface (ft)       Casing Diameter (in.)       Screened & Poursd       Conductor Pipe-Pumped         2.0       Casing Diameter (in.)       Casing Diameter (ft.)       Screened & Poursd       Other (Explain)         Lower Drilliole Diameter (in.)       Casing Diameter (ft.)       Screened & Poursd       Other (Explain)	2346 Clear View Road				Dennis Oe Mailing Addres	nring	nt Owner			
Cambridge       53523       Clail YEW Neta       State       ZIP Code         Subdivision Name       Lot #       Cambridge       W1       53523         Reason For Removal From Service       WI Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material       State       Yes       No       NA         Testing completed	Well City, Village or Town		Well ZIF	P Code		Winn Da				
Subdivision Name       Lot #       Cambridge       WI       53523         Reason For Removal From Service       WI Unique Welf # of Replacement Well       Cambridge       WI       53523         3. Filled & Sealed Well / Drillhole / Borehole Information       Pump and piping removed?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyy)       Od/20/2021       Yes       No       NA         & Borehole / Drillhole       available, please attach.       Drule (s) perforated?       Yes       No       NA         Construction Type:       If a Well Construction Report is available, please attach.       Casing left in place?       Yes       No       NA         Other (Specify)       Driven (Sandpoint)       Dug       Dug       If entroite chips were used, were they hydrated with water from a known safe source       Yes       No       NA         Vunconsolidated Formation       Bedrock       Required Method of Plexing Sealing Material       Conductor Pipe-Pumped       Screened & Pourd       Concrete       Sealing Materials         2.0       Was well annular space grouted?       Yes       No       NA       Sealing Materials       Conductor Pipe-Pumped       Screened & Pourd       Other (Explain) (Bitchine Chips       Sealing Materials       Sealing Materials       Screened & Monitoring Wells and Mon	Cambridge		5352	3	City of Present Owner State ZIP Co					
Reason For Removal From Service Testing completed       Wi Unique Well # of Replacement Well <b>3.</b> Filled & Sealed Well / Drillhole / Borehole Information Monitoring Well       Original Construction Date (mm/dd/yyy)         Original Construction Date (mm/dd/yyy)       Original Construction Report is available, please attach.       Purmp and piping removed?       Yes       No       N/A         Construction Type:       Otiver (Specify)       If a Well Construction Report is available, please attach.       Screen removed?       Yes       No       N/A         Construction Type:       Oriver (Specify)       Frem alton is to surface?       Yes       No       N/A         Construction Type:       Oriver (Specify)       Frem alton is available, please attach.       Dug       If sentine chips were they hydrated       No       N/A         Inder(Specify)       Environ       Bud       Ontor (Specify)       Yes       No       N/A         Id unconsolidated Formation       Bedrock       Conductor Pipe-Gravity       Conductor Pipe-Gravity       Conductor Pipe-Foravity       Conducto	Subdivision Name		Lot #		Cambridge			WI	53523	
Reeson For Removal From Service       WI Unique Well # of Replacement Well         Testing completed					Cambridge   WI   53523 4. Pump, Liner, Screen, Casing & Sealing Material					
Testing completed       Initiated & Sealed Well / Drillhole       Borehole Information       Initiated & Sealed Well / Drillhole       Water Well         Monitoring Well       Original Construction Date (mm/dd/yyyy)       Od/20/2021       Uner(s) perforated?       Yes       No       NNA         Screen removed?       Yes       No       NNA         Water Well       If a Well Construction Report is available, please attach.       Construction Report is available, please attach.       Construction Report is available, please attach.       Water West No       NNA         Construction Type:       Drilled       Driven (Sandpoint)       Dug       If esc using cut of theore surface?       Yes       No       NNA         Multicols       Generation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped         Construction Type:       Required Method of Placing Sealing Material       Conductor Pipe-Pumped       Screened & Poured       Other (Explain)         Identified Bedrock       Casing Depth (ft.)       Scaling Materials       Conductor Pipe-Pumped       Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete       Sand-Cernent Grout       Concrete         2.0       Was well annular space grouted?       Yes       No	Reason For Removal From Service	VI Unique Well	# of Replace	cement Well	Pump and	nining remo	ved?	Yes 🗌	No 🕅 N/A	
3. Filled & Sealed Well / Drillhole / Borehole Information       Inter(s) perforated?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyyy)       Inter(s) perforated?       Yes       No       NA         Water Well       If a Well Construction Report is available, please attach.       Inter(s) perforated?       Yes       No       NA         Construction Type:       If a Well Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       NA         Construction Type:       Other (Specify)       If escinon.       Id sealing material rise to surface?       Yes       No       NA         Formation Type:       Other (Specify)       If escinon.       If escinon.       Yes       No       NA         Inconsolidated Formation       Bedrock       Required Method Of Placing Sealing Material       Conductor Pipe-Paruity       Screened & Poured       Concurete       Sand-Cement (Concrete) Grout	Testing completed				liner(s) rer	piping remo noved?		] Yes □	No 🕅 N/A	
Monitoring Well       Original construction Date (miv/dd/yyyy)         Monitoring Well       Original construction Report is available, please attach.         Borehole / Drillhole       If a Well Construction Report is available, please attach.         Construction Type:       Water Well         Other (Specify)       Driven (Sandpoint)         Formation Type:       Was casing cut off below surface?         Vess       No         Multicol (Specify)       Dug         Formation Type:       Waster well well with water from a known safe source         Multicol (Bentomic Chips)       Coasing Depth (ft.)         Construction Pipe-Gravity       Conductor Pipe-Pumped (Bentonite Chips)         Conductor Pipe-Gravity       Conductor Pipe-Pumped (Bentonite Chips)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)         2.0       Casing Depth (ft.)         2.0       Sealing Materials         Mass well annular space grouted?       Yes         Yes       No         Mass well annular space grouted?       Yes         Yes       No         Mass well annular space grouted?       Yes         Yes       No         Mass well annular space grouted?       Yes         Yes       No       Unknown	3. Filled & Sealed Well / Drillhole	/ Borehole I	formatio	on (III)	Liner(s) per	forated?		Yes 🗌	No 🕅 N/A	
Water Well       04/20/20/21       Casing left in place?       Yes       No       N/A         Borehole / Drillhole       If a Well Construction Report is available, please attach.       Casing left in place?       Yes       No       N/A         Construction Type:       Drilled       Driven (Sandpoint)       Dug       Dug       Did material sette after 24 hours?       Yes       No       N/A         Other (Specify)	Monitoring Well	Original Const	ruction Dat	te (mm/dd/yyyy)	Screen rem	noved?		] Yes 🗍	No 🕅 N/A	
Borehole / Drillhole       If a Well Construction Report is available, please attach.         Construction Type:       Was casing out off below surface?       Yes       No       N/A         Construction Type:       Driven (Sandpoint)       Dug       Did sealing material rise to surface?       Yes       No       N/A         Construction Type:       Driven (Sandpoint)       Dug       Did material settle after 24 hours?       Yes       No       N/A         Formation Type:       Was one interval       Were they hydrated       With water from a known safe source       Yes       No       N/A         If betonite chips were used, were they hydrated       With water from a known safe source       Yes       No       N/A         If betonite chips were used, were they hydrated       With water from a known safe source       Yes       No       N/A         If betonite chips were used, were they hydrated       With water from a known safe source       Yes       No       N/A         If betonite chips       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Dentonite chips       Sealing Materials         2.0       No was well annular space grouted?       Yes       No       Unknown	Water Well	04/20/202			Casing left	in place?		Yes 🗌	No 🕅 N/A	
Construction Type:       Via a saing Gut on Detwork sufface?       Via a saing Gut on Detwork sufface?       Via a lasting Gut on Detwork sufface?         Construction Type:       Did sealing material rise to surface?       Via a lasting Gut on Detwork sufface?       Via a lasting Gut on Detwork sufface?       Via a lasting Gut on Detwork sufface?         Did material settle after 24 hours?       Use along material rise to surface?       Via a lasting Gut on Detwork sufface?       Via a lasting Gut on Detwork sufface?         Other (Specify)	Borebole / Drillbole	If a Well Co	nstruction I	Report is		, out off hold		] Yes □	No 🕅 N/A	
Construction Type:       Driven (Sandpoint)       Dug         Diffusterial settle after 24 hours?       Yes       No       N/A         Other (Specify)		available, pl	ease attacl	h.		material ris	e to surface?	1 Yes 🗌		
Montana control in a control of the rest of the	Construction Type:		_	_	Did sealing Did materia	l settle after	24 hours?	Yes 🗌	No 🕅 N/A	
□ Other (Specify)	Drilled Driven	(Sandpoint)	L	Dug	If ves. wa	as hole reto	oped?	Yes	No 🕅 N/A	
Formation Type:       with water from a known safe source       Yes       No       N/A         Mix Consolidated Formation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Casing Diameter (in.)       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Sand-Cement Grout       Concrete       Sand-Cement (Concrete) Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         S. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet       Image: Surface         6. Comments       Surface       4.0       0.09 cubic feet       Image: Surface	Other (Specify)				If bentonite	chips were	used, were they hydrated			
Required Method of Placing Sealing Material   Unconsolidated Formation   Bedrock     Total Well Depth From Ground Surface (ft)   Casing Diameter (in.)   2.0     Was well annular space grouted?   Yes   No   Unknown   If yes, to what depth (feet)?   Depth to Water (feet)   Bentonite Chips   Bentonite Chips </td <td>Formation Type:</td> <td></td> <td></td> <td></td> <td>with water f</td> <td>rom a know</td> <td>n safe source</td> <td>Yes</td> <td>No N/A</td>	Formation Type:				with water f	rom a know	n safe source	Yes	No N/A	
Image: Second and the remember of the second sec			Redrock		Required Meth	nod of Placin	ng Sealing Material			
Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Screened & Poured (Bentonite Chips)       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Concrete       Sand-Cement (Concrete) Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Nud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet         6. Comments       Groutesta       Surface       4.0					- 🗌 Conduc	tor Pipe-Gra	avity 🗌 Condu	uctor Pipe-P	umped	
Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         For Monitoring Wells and Monitoring Well Boreholes Only:       Bentonite Chips       Bentonite - Cement Grout         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet       Image: Surface	Total Well Depth From Ground Surface (	it) Casing Di	ameter (in.	.)		ed & Poured	Other	(Explain)		
Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         For Monitoring Wells and Monitoring Well Boreholes Only:       Bentonite - Cement Grout       Bentonite - Cement Grout         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet         6. Comments       Surface       Surface       4.0					(Benton	ite Chips)				
2.0       Neat Cement Grout       Concrete         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Bentonite - Cament Grout       Bentonite - Cament Grout       Mix Ratio         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant       Mix Ratio         3/8" bentonite chips       Surface       4.0       0.09 cubic feet       Image: Concrete Grout Gr	Lower Drillhole Diameter (in.)	Casing D	epth (ft.)			lais				
Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Bentonite Chips       Bentonite - Cement Grout         S. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet         6. Comments       Expense       Expense	2.0					ement Grout		oncrete		
Weis weis and workdamig weis and workdown       Por Monitoring weis and workdown	Was well appular space grouted?		No	Linknown		ement (Con			ps	
In yes, to what deput (teet)       Denotine of the context of out         Granular Bentonite       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet         6. Comments       Example to the chips       Example to the chips	If yes, to what denth (feet)?					to Chine		nny. Comont Grou	ı <del>t</del>	
5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       4.0       0.09 cubic feet       Image: Comments         6. Comments       Surface       Surface       Surface       Surface       Surface	in yes, to what depth (leet):				Granula	r Rentonite	Bentonite - S	Sand Slurry		
5. Material Used to Fill Well / Drillhole     From (ft.)     To (ft.)     To (ft.)     To value, scale contained or Mud Weight       3/8" bentonite chips     Surface     4.0     0.09 cubic feet     Image: scale contained or Mud Weight       6. Comments     Surface     Surface     Surface     Surface     Surface							No Yards Sacks Sea	lant	Mix Ratio	
3/8" bentonite chips     Surface     4.0     0.09 cubic feet       6. Comments	5. Material Used to Fill Well / Dril	lhole			From (ft.)	To (ft.)	or Volume (circle or	ne) o	r Mud Weight	
3/8" bentonite chips         Surface         4.0         0.09 cubic feet           6. Comments										
6. Comments	3/8" bentonite chips				Surface	4.0	0.09 cubic feet			
6. Comments										
6. Comments										
6. Comments										
	6. Comments				I					

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signaty/e of Person D/ping Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

		Route t	o DNR Bureau:						
□ Verification Only of Fill a	and Seal		Drinking Water		] Watershe	ed/Wastewater	Remediation	n/Redevelopment	
		Πv	Vaste Manageme	nt 🗌	Other				
1. Well Location Information			<u> </u>	2. Facility	Owner In	formation			
County WI Unique V	/ell # of	Hicap #		Facility Name					
Removed W	ell			RockGen	Energy Cei	nter			
Dane (SB-05	) 	t Cada	Mathed Cade	Facility ID (FID	0 or PWS)				
Lattitude / Longitude (see Instructions)	Forma								
42.97600° N		DDM	SCR002	License/Permi	it/Monitoring	1#			
-89.04953 VV	Section -	ownshin			-				
	23	6		Original Well (	Owner				
or Gov't Lot #	25	0			2				
Well Street Address				Present Well C	Jwner				
2346 Clear View Road				Mailing Addres	enring ss of Preser	nt Owner			
Well City, Village or Town		Well ZIF	' Code	2246 Class		ad			
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code	
Subdivision Name		Lot #		Cambridge	e		WI	53523	
				4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service	VI Unique Well	# of Replace	cement Well	Pump and	nining remo	ved?	Yes	] No ⊠ N/A	
Testing completed				Liner(s) rer	noved?		Yes	№	
3. Filled & Sealed Well / Drillhole	/ Borehole I	offormation	on	Liner(s) per	rforated?	Γ	Yes	№	
Monitoring Well		ruction Dat	e (mm/dd/yyyy)	Screen rem	noved?		Yes	No 🕅 N/A	
Water Well	04/20/202	20/2021			in place?		Yes	No 🛛 N/A	
Borehole / Drillhole	If a Well Construction Report is			Was casing	a cut off belo	w surface?	Yes	No ⊠_N/A	
	available, p	ease attaci	n.	Did sealing	material ris	e to surface?	Yes	] No	
Construction Type:		_	_	Did sealing Did materia	al settle after	24 hours?	Yes	№	
Drilled Driven	(Sandpoint)	L	Dug	If yes, wa	as hole retor	oped?	Yes	No 🕅 N/A	
Other (Specify)				If bentonite	chips were	used, were they hydrated			
Formation Type:				with water from a known safe source Yes No N/A					
		Bedrock		Required Meth	nod of Placir	ng Sealing Material			
				Conductor Pipe-Gravity					
Total Well Depth From Ground Surface (	ft) Casing D	ameter (in.	.)		ed & Poured	Othe	r (Explain)		
				(Denion					
Lower Drillhole Diameter (in.)	Casing D	epth (ft.)			lais				
2.0					ement Grout		Concrete		
Was well annular space grouted?	Yes 🗌	No	Unknown	For Monitorin	ement (Con a Wells and			lips	
If yes to what depth (feet)?	Denth to Wate	r (feet)			te Chins	Bentonite -	Cement Gr	out	
	Doparto Wat	(1001)		Granula	r Bentonite	Bentonite -	Sand Slurry	/	
				- (())	- (())	No. Yards. Sacks Se	alant	Mix Ratio	
5. Material Used to Fill Well / Dri	Inole			From (ft.)	το (π.)	or Volume (circle o	one) d	or Mud Weight	
3/8" bentonite chips				Surface	5.2	0.11 cubic feet			
6 Comments				1					

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	Person or Firm Doing Filling & Sealing License #			Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signatyje of Person Dping Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021
			00		

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

	1	Route t	to DNR Bureau:						
Verification Only of Fill a	nd Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	/Redevelopment	
		Πv	Vaste Manageme	nt 🗆	Other				
1. Well Location Information				2. Facility	Owner In	formation			
County WI Unique W	ell # of	Hicap #		Facility Name					
Removed We	ell			RockGen	Energy Cei	nter			
Dane (SB-06	)	Orde		Facility ID (FID	O or PWS)				
Lattitude / Longitude (see instructions)	Format	Code							
42.9/5/1° N			SCR002	License/Permi	it/Monitoring	1#			
-89.049/4 W	Section T	ownehin							
74 / 74 NVV /4 NVV	22	6		Original Well (	Owner				
or Gov't Lot #	23	0		Due e e et M/ell (	2				
Well Street Address				Present Well C	Jwner				
2346 Clear View Road				Dennis Oe Mailing Addres	hring	nt Owner			
Well City, Village or Town		Well ZIF	P Code	2246 Class					
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code	
Subdivision Name		Lot #		Cambridge	e		WI	53523	
				4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service	VI Unique Well #	f Replace	cement Well	Pump and	nining remov	ved?	Yes	] No ⊠ N/A	
Testing completed				liner(s) ren	piping remo noved?		Yes	No ⊠ N/A	
3. Filled & Sealed Well / Drillhole	/ Borehole In	formatio	on (IIII)	Liner(s) ner	rforated?		Yes	No ⊠ N/A	
Monitoring Well	Original Constr	uction Dat	te (mm/dd/yyyy)	Screen rem	noved?	Γ	Yes	N₀ N/A	
Water Well	04/20/2021			Casing left	in place?		Yes	] № 🕅 N/A	
Borobolo / Drillbolo	If a Well Cor	Well Construction Report is							
	available, ple	ase attacl	h.	Vvas casing	g cut off beic	ow surface?	Yes		
Construction Type:				Did sealing	liateriariis al sottle after	24 hours?	∃ Yes □		
Drilled Driven	(Sandpoint)		Dug	If ves wa	as hole retor	ned?	Yes		
Other (Specify)				If bentonite	chips were	used, were they hydrated			
				with water f	from a know	n safe source	Yes	No N/A	
		odrock		Required Meth	nod of Placir	ng Sealing Material			
		eurock		Conduc	tor Pipe-Gra	avity 🗌 Cond	uctor Pipe-F	Pumped	
Total Well Depth From Ground Surface (	ft) Casing Dia	ameter (in.	.)	Screene	ed & Poured	Other	(Explain)		
				(Benton	ite Chips)				
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)		Sealing Mater	ials				
2.0					ement Grout		oncrete		
				Sand-C	ement (Con	crete) Grout 🛛 🖾 B	entonite Ch	ips	
Was well annual space grouted?			Unknown		g vvelis and		Only:		
in yes, to what depth (leet)?		(ieer)			r Bentonite		Sand Slurny	Jui	
						No Vards Sacks Sa	alant	Mix Ratio	
5. Material Used to Fill Well / Dril	lhole			From (ft.)	To (ft.)	or Volume (circle o	ne) c	or Mud Weight	
3/8" bentonite chips				Surface	1.5	0.03 cubic feet			
C. Commonto									
6. Comments									

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signaty/e of Person Dbing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

		Route t	to DNR Bureau:						
Verification Only of Fill a	and Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediatior	n/Redevelopment	
		Πv	Vaste Manageme	nt 🗌	Other				
1. Well Location Information				2. Facility /	Owner In	formation			
County WI Unique W	/ell # of	Hicap #		Facility Name					
Removed W	ell			RockGen I	Energy Cei	nter			
Dane (SB-07	)	0	Mathead Oada	Facility ID (FID	O or PWS)				
Lattitude / Longitude (see instructions)	Forma	Code							
42.9/513° N		DDM	SCR002	License/Permi	it/Monitoring	1#			
	Soction T	ownehin							
74 / 74 NVV / 74 NVV	23	6		Original Well (	Owner				
or Gov't Lot #	23	0			2				
Well Street Address					Jwner				
2346 Clear View Road				Dennis Oe Mailing Addres	hring	nt Owner			
Well City, Village or Town		Well ZIF	<sup>o</sup> Code	2346 Class		ad ad			
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code	
Subdivision Name		Lot #		Cambridge	e		WI	53523	
				4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service	VI Unique Well ;	f of Replace	cement Well	Pump and u	nining remov	ved?	Yes	] No ⊠ N/A	
Testing completed				Liner(s) ren	noved?		Yes	No ⊠ N/A	
3. Filled & Sealed Well / Drillhole	/ Borehole In	formation	on	Liner(s) per	rforated?		Yes	] No 🕅 N/A	
Monitoring Well		uction Dat	te (mm/dd/yyyy)	Screen rem	noved?		Yes	] No 📈 N/A	
Water Well	04/20/2021			Casing left	in place?		Yes	] No 🔀 N/A	
Borehole / Drillhole	If a Well Cor	struction I	Report is	Was casino	n cut off belo	w surface?	Yes	] No 🕅 N/A	
	available, ple	ease attaci	n.	Did sealing	material rise	e to surface?	Ves	No N/A	
Construction Type:		_	-	Did materia	al settle after	24 hours?	Yes	] No 🕅 N/A	
Drilled Driven	(Sandpoint)	L	Dug	If yes, wa	as hole retop	oped?	Yes	] No 🔀 N/A	
Other (Specify)				If bentonite	chips were	used, were they hydrated	_		
Formation Type:				with water f	from a know	n safe source	Yes	No N/A	
Unconsolidated Formation	<b></b>	edrock		Required Meth	nod of Placir	ng Sealing Material			
Tatal Wall Danth From Cround Surface /		motor (in	>		tor Pipe-Gra	avity 🗌 Cond	uctor Pipe-F	Pumped	
Total Weil Depth From Ground Surface (		ameter (m.	.)	Benton	ed & Poured	Other	r (Explain)		
				Sealing Materi	ials				
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)			mont Crout		`onoroto		
2.0					ement (Con	crete) Grout	Contonite Ch	ine	
Was well annular space grouted?	Yes	No	Unknown	For Monitoring	a Wells and	Monitoring Well Boreholes (	Only <sup>.</sup>	ipa	
If ves. to what depth (feet)?	Depth to Wate	(feet)		Bentoni	te Chips	Bentonite -	Cement Gro	out	
		( )		Granula	r Bentonite	Bentonite -	Sand Slurry		
5 Matarial Lload to Fill Wall / Dril	lholo			Erom (ft )	To (#)	No. Yards, Sacks Se	alant	Mix Ratio	
5. Material Used to Fill Well / Dri	Inole			From (it.)	10 (11.)	or Volume (circle o	one) c	or Mud Weight	
3/8" bentonite chips				Surface	3.5	0.08 cubic feet			
6. Comments				1			I		

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signature of Person poing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 degree

Page 1 of 2

□ Verification Only of Fill and Seal       □ Drinking Water       □ Watershed/Waterwater       □ Remediation/Redevelopment         1. Well Location Information       2. Facility / Owner Information         Courry       WU Unique Well # of       Hicep #         Auser Management       □ Other         Date       (SB-04)         Latitude / Longitude (see instructions)       Format Code         39.0487/4       W       □ DDM         10 DDM       10 DDM       10 DDM         10 DDM       10 DD		1	Route t	to DNR Bureau:						
Wate Management         Other           1. Weil Location Information         2. Facility / Owner Information           County         [Mitting #]           Danc         (SB-08)           Latitude / Longtude (see instructions)         [Gorard Code GerStood           2.9753.6 <sup>+</sup> N         [Obo           2.9764.0 <sup>+</sup> MW         Section           2.9764.0 <sup>+</sup> MW         Section           2.9764.0 <sup>+</sup> MW         2.3	Verification Only of Fill a	ind Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	Redevelopment	
I. Well Location Information         2.         2.         Facility / Owner Information           County         With well # of Removed Well         Heap # Removed Well         Facility / Owner Information           Latitude / Longitude (see instructions)         Forme Code         Being 10 (FD or PWS)           42.97536 °         N         Bob         Section           .89.0437 °         W         Section         Control           .90.0437 °         Well Steet Address         2346 Clear View Read         Clear View Read           .2446 Clear View Read         State         2346 Clear View Read         State         ZP Code           .3. Filled & Sealed Well / Drillhole / Borehole Information         Ust Well Oresen View Contro         State         NA           .3. Filled & Sealed Well / Drillhole / Borehole Information         Oregradian frainterial sette after 24 hours?			Πv	Vaste Manageme	nt 🗆	Other				
County       Will Unique Weil and Response Weil (SB-08)       Hicap # Hicap # Forlity Name         Dane       (SB-08)       Formal Code       Rescisce Francey Center         Lattude / Longitude (see instructions)       Formal Code       General Code       Formal Code         _80.01874 °       W       Section       Comment Code       General Code       General Code         _280.01874 °       W       Section       Township       Resci Code       General Code       General Code         _2846 Clear View Road       2346 Clear View Road       Dennis Ochring       Dennis Ochring       2346 Clear View Road         Cambridge       53523       Clear View Road       Clear View Road       Clear View Road         Cambridge       Sister       Clear View Road       NA         Testing completed       Lot #       4. Pump, Liner, Screen, Casing & Soaling Material         Testing completed       Iner(s) inmover?       Yes       No       NA         Sceled Weil / Orlinole / Berke Construction Report is available, please attach.       No       NA       No       NA         Construction Type:       Original Construction Report is available, please attach.       No       NA       No       NA         Construction Type:       Original Construction Report is available, please attach.	1. Well Location Information				2. Facility	Owner In	formation			
Dane       (BB-06)       Method Cole       Resk/Gen Encry Center         Lattlude / Longlidde (see instructions)       Facility (D FID or PWS)         42.9753 6° N       N       DDM       Grows         S8.04874 °       W       Section       Orginal Well Charglidde (see instructions)         X1/X NW       Y       NW       Section       Orginal Well Charglidde (see instructions)         X1/X NW       Y       NW       Section       Orginal Well Charglidde (see instructions)         2346 Clear View Road       Daming Address       Present Well Charglidde (see instructions)       2346 Clear View Road         Well Cley, Village or Town       Lot #       Cambridge       Site       Z17 Code         SuddVision Name       Lot #       Cambridge       Site       Z19 Code         SuddVision Name       Lot #       Present Well Charglidde (see instruction Name)       Lot #       Present Well Charglidde (see instruction Name)	County WI Unique W	ell # of	Hicap #		Facility Name					
Date       (NH-UK)       Mathed Code       Generation         42.97336 °       N       Generation       Generation         59.04874 °       W       DD       Generation       Generation         246 Clear View Road       View Road       Mathed Scote       Present Wall Owner         2346 Clear View Road       Weil ZIP Code       Sasta       Data Scote         2346 Clear View Road       Weil ZIP Code       Sasta       Z246 Clear View Road         Cambridge       Sasta       Sasta       Sasta         Subdivision Name       Lat #       Cambridge       Sasta         Subdivision Name       Lat #       Cambridge       N NA	Removed We	ell			RockGen	Energy Cer	nter			
Lanuber Lanube	Dane (SB-08	)	Orde	Math and Oarda	Facility ID (FID	or PWS)				
42.9735 °       N       LicenseParmitMonitoring #         -89.0457 °       N       Construction       Present Well Owner         2// X NW       // X NW       Section       Township       Present Well Owner         2// X NW       // X NW       Section       Township       Present Well Owner         2// X NW       // X NW       Section       Township       Present Well Owner         2// X NW       // X NW       Section       Township       Present Well Owner         2// X NW       // X NW       Section       Section       Section         2// X NW       // X NW       Section       Section       Section         2// X Owner       Section       Section       Section       Section         2// X Owner       Section       Section       Section       Section         2// X Owner       Section       Section       No       NA         3// X Section       Original Construction Report is evolution       Section       No       NA         3// Berehole / Drilhole       Drilwei (Sandpoint)       Dug       Did material settic attract Secure       Yes       No       NA         M Section       Present Well       Driven (Sandpoint)       Dug       Did material settic seurace?	Lattitude / Longitude (see instructions)	Format	Code							
	42.9/536° N			SCR002	License/Permi	it/Monitoring	1#			
All A NW       A W       Second       Construction       Present Well Owner         223       6       12       W         Well Street Address       2346 Clear View Road       Demis Ochring         244 Clay, Village or Town       S352 Clear View Road       2346 Clear View Road         Cambridge       S352 Clear View Road       2346 Clear View Road         Cambridge       S352 Clear View Road       Will Street Address         Subdivision Name       Lot #       Present Well       State         Testing completed       Promp and piping removed?       Yes       No       NA         State Well       Original Construction Date (mm/dd/yyyy)       Yes       No       NA         Generative Well       If a View Construction Report is available, please attach.       Yes       No       NA         Construction Type:       Generative Streem Roword?       Yes       No       NA         Other (Specify)       Formation Type:       Yes       No       NA         Other (Specify)       Formation Type:       Yes       No       NA         Other (Specify)       Earling Material setto surface?       Yes       No       NA         Yes       No       Conductor Pipe-Gravity       Conductor Pipe-Gravity       Screen e	-89.048/4 W	Section T	ownehin							
or Gov/Ltd #       2.3       0       12       W         Well Street Address       Present Well Owner       Demis Ochring       Malling Address of Present Owner         2346 Clear View Road       Cambridge       33523       Cambridge       VIII Street Notes         Suddivision Name       Lot #       Cambridge       VIII Street Notes       VIII Street Notes         Suddivision Name       Lot #       Cambridge       VIII Street Notes       VIII Street Notes         Suddivision Name       Lot #       Cambridge       VIII Street Notes       VIII Street Notes         3. Filled & Sealed Well / Drillhole / Borehole Information       Original Construction Report is available, please attach.       Pump and piping removed?       Yes No       NA         Mailer Specify       Yes       No       NA       Screen removed?       Yes No       NA         Construction Type:       Drilled       Driven (Sandpoint)       Dug       Yes No       NA       NA         Construction Type:       Original Construction Report is available, please attach.       No       NA       NA         Construction Type:       Original Construction Report is available, please attach.       No       NA       NA         Construction Type:       Original Construction Report is available, please attach.       No		22	6		Original Well (	Owner				
Well Street Address       Present Well Well Well Well Well Well Well Wel	or Gov't Lot #	25	0		Dueserativ	<u></u>				
2346 Clear View Road       Maing Address of Present Owner         Weil CKy, Vilage or Town       Weil ZIP Code         Cambridge       53523         Subdivision Name       Lot #         Reason For Removal From Service       Will Oxy of Present Owner         3. Filled & Sealed Well / Drillhole / Borehole Information       Pump, Liner, Screen, Casing & Sealing Material         Pump and piping removed?       Yes         Water Well       Original Construction Date (mm/dd/yyyy)         Output:       Original Construction Report is Borehole Information         Water Well       If a Well Construction Report is Construction Report is Borehole / Drillhole, Bease attach.         Drilled       Driven (Sandpoint)       Dug         Other (Specify)       Free mode of Polimole acting Sealing Material         Construction Type:       Driven (Sandpoint)       Dug         Other (Specify)       Free mode of Polimole acting Sealing Material       Conductor Pipe-Pumped         Screen removed Remoter (Specify)       Casing Depth (t.)       Saling Address Sealing Material       Conductor Pipe-Pumped         Screen removed Remoter (Specify)       Conductor Pipe-Cravity       Conductor Pipe-Pumped       Screen Remoter (Socreel Remoter Chips         Mill Indo Construction Report is sand-Cerenet Grout       Saling Material       Coconcrele       No <t< td=""><td>Well Street Address</td><td></td><td></td><td></td><td>Present Well C</td><td>Jwner</td><td></td><td></td><td></td></t<>	Well Street Address				Present Well C	Jwner				
Well City, Vilage or Town       Well ZiP Code       2346 Clear View Road         Cambridge       53523       Cluy of Present Owner       State       ZIP Code         Subdivision Name       Lot #       Cambridge       State       ZIP Code         Cambridge       Gambridge       State       ZIP Code       State       ZIP Code         Subdivision Name       Lot #       Cambridge       W1       S3523         Reason For Removal From Service       Wil Unique Well # of Replacement Well       Pump, Liner, Screen, Casing & Sealing Material         Pump, Liner(s) removed?       Yes       No       NA         Monitoring Well       Original Construction Date (mmidd/yyyy)       Screen removed?       Yes       No       NA         Water Well       Original Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       NA         Construction Type:       If a Well Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       NA         Other (Specify)       Envire       Screen removed?       Yes       No       NA         If a Well Construction Report is available, please attach.       Conductor Pipe-Pumped       Screener & Pours?       Yes       No       NA	2346 Clear View Road				Dennis Oe Mailing Addres	nring	nt Owner			
Cambridge       53523         Subdivision Name       Lot #         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well         Testing completed       Original Construction Date (mm/dd/yyyy)         Monitoring Well       Original Construction Date (mm/dd/yyyy)         Water Well       Original Construction Report is available, please attach.         Construction Type:       Original Construction Report is available, please attach.         Original Construction Report is available, please attach.       Dug         Other (Specify)       Driven (Sandpoint)       Dug         If berthold Formation       essen for a known safe source?       Yes       No         Other (Specify)       Driven (Sandpoint)       Dug       If berthold of Manos Sealing Material       No       N/A         Guere Torilloole Diameter (in.)       Casing Depth (ft.)       Screen removed?       Yes       No       NA         Id unconsolidated Formation       Bedrock       Conductor Pipe-Gravid       Yes       No       NA         Id unconsolidated Formation       Bedrock       Conductor Pipe-Gravid       Other (Explain)       Conductor Pipe-Pumped         Screen end & Poured (Bentroile Chips)       Conductor Pipe-Gravid       Other (Explain)       Conductor Pi	Well City, Village or Town Well ZIP Code			P Code	2246 Class		ad ad			
Subdivision Name       Lot #       Cambridge       WI       Size         Reason For Removal From Service       WI Unique Well # of Replacement Well	Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code	
Reason For Removal From Service Testing completed       Wi Unique Well # of Replacement Well <b>3. Filled &amp; Sealed Well / Drillhole / Borehole Information</b> Pump and piping removed?       Yes       No       N/A         Monitoring Well       Original Construction Date (mm/idd/yyy)       Uner(s) perforated?       Yes       No       N/A         Water Well       If a Well Construction Report is available, please attach.       Od/20/2021       Yes       No       N/A         Construction Type:       Original Construction Report is available, please attach.       Was casing cut of below surface?       Yes       No       N/A         Construction Type:       Oriven (Sandpoint)       Dug       If sectore choped?       Yes       No       N/A         Multicold Formation       Bedrock       Conductor Pipe-Gravity       Yes       No       N/A         If uncer(Specify)       Emmeter (in.)       Casing Daimeter (in.)       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Varee or Dillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Conductor Pipe-Pumped       Secrement Grout       Concrete         Sand-Cement Contor       Generatival       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Secrement Grout       Concrete         Sand-Cement Grout       Sand-Cement Grout <td< td=""><td>Subdivision Name</td><td></td><td>Lot #</td><td></td><td>Cambridge</td><td>•</td><td></td><td>WI</td><td>53523</td></td<>	Subdivision Name		Lot #		Cambridge	•		WI	53523	
Reason For Removal For Service       WI Unique Well # of Replacement Well         Testing completed       Pump and piping removed?       Yes       No       NVA         S- Filled & Sealed Well / Drillhole / Borehole Information       Uner(s) removed?       Yes       No       NVA         Water Well       Original Construction Date (mm/dd/yyyy)       Od/20/2021       Yes       No       NVA         Construction Type:       Valuable, please attach.       Was casing cut off below surface?       Yes       No       NVA         Other (Specify)       If a Well Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       NVA         Other (Specify)       If each of the search of the sear					4. Pump, Liner, Screen, Casing & Sealing Material					
Testing completed       Indeptus parameters       Yes       No       NA         3. Filled & Sealed Well / Drillhole       Borehole Information       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyyy)       Od/20/2021       Yes       No       NA         Water Well       If a Well Construction Report is available, please attach.       Construction Type:       Yes       No       NA         Construction Type:       Drilled       Driven (Sandpoint)       Dug       Did sealing material rise to surface?       Yes       No       NA         Construction Type:       Mo       Other (Specify)       Yes       No       NA         Yes       Unconsolidated Formation       Bedrock       Formation Type:       Yes       No       NA         Yes       Unconsolidated Formation       Bedrock       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Saling Material       Concrete       Yes       No       NA         Yes       No       Unknown       From (ft.)       Saling Materials       Concrete       Sand-Cement Grout       Concrete       Sand-Cement Grout       Sand-Cement Grout       Sand-Cement Grout       Sand-Cement Grout	Reason For Removal From Service	VI Unique Well #	f of Replace	cement Well	Pump and	nining remov	ved?	Yes	No 🕅 N/A	
3. Filled & Sealed Well / Drillhole / Borehole / Information       Original Construction Date (mm/dd/yyyy)       Uner(s) perforated?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyyy)       Uner(s) perforated?       Yes       No       NA         Water Well       If a Well Construction Report is available, please attach.       Inf a Well Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       NA         Construction Type:       Driven (Sandpoint)       Dug       Dug       If estimates the after 24 hours?       Yes       No       NA         Other (Specify)	Testing completed			Liner(s) removed?						
Monitoring Weil       Original Construction Date (Intribudyyyy)       Screen removed?       Yes       No       NA         Water Weil       If a Weil Construction Report is available, please attach.       Casing left in place?       Yes       No       NA         Construction Type:       If a Weil Construction Report is available, please attach.       Was casing out off below surface?       Yes       No       NA         Dified       Driven (Sandpoint)       Dug       Dug       Differential settle after 24 hours?       Yes       No       NA         Other (Specify)	3. Filled & Sealed Well / Drillhole	/ Borehole In	formatic	on to (mana/dd/saas)	Liner(s) per	forated?		Yes 🗌	No 🕅 N/A	
Water Well       U4/20/201         Borehole / Drilhole       If a Well Construction Report is available, please attach.         Construction Type:       Was casing cut off below surface?       Yes       No       N/A         Dilled       Driven (Sandpoint)       Dug       Did sealing material rise to surface?       Yes       No       N/A         Construction Type:       Driven (Sandpoint)       Dug       Did material settle after 24 hours?       Yes       No       N/A         Formation Type:       Total Well Depth From Ground Surface (ft)       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Icover Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Material       Other (Explain)         2.0       Was well annular space grouted?       Yes       No       Unconsolidated Formation         If yes, to what depth (feet)?       Depth to Water (feet)       Sealing Material       Concrete         2.0       Sand-Cement Grout       Bentonite Chips       Bentonite Chips         Storened & Poured       Concrete) Grout       Bentonite Chips         3/8" bentonite chips       Sealing Material       Other (Explain)         Gasing Depth (ft.)       Bentonite Chips       Bentonite Chips         Storened & Poure	Monitoring Well		uction Dat	te (mm/dd/yyyy)	Screen rem	noved?		Yes	No 📈 N/A	
Borehole / Drillhole       If a Well Construction Report is available, please attach.         Construction Type:       Was casing cut off below surface?       Yes       No       N/A         Construction Type:       Drilled       Driven (Sandpoint)       Dug       Did material sette after 24 hours?       Yes       No       N/A         Construction Type:       If a Well Construction Type:       If bentonite chips were used, were they hydrated with water from a known safe source       Yes       No       N/A         Formation Type:       If unconsolidated Formation       Bedrock       Required Method of Placing Sealing Material       Onductor Pipe-Pumped       Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete       Sand-Cement (Concrete)       Sand-Cement (Concrete)         Surd and the field       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:       Bentonite Chips         Vas well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:       Sand-Cement Grout       Sealing Materials       Or Yourge (Sircle one)       Mix Ratio         3/8" bentonite chips       Surface       5.5       0.12       Nix Ratio       or Volume (circle one)       or Mud Weight	Water Well	04/20/2021			Casing left	in place?		Yes	No 🔀 N/A	
Construction Type:       Driven (Sandpoint)       Dug         Did sealing material rise to surface?       Yes       No         Morilled       Driven (Sandpoint)       Dug         Did sealing material rise to surface?       Yes       No         Morilled       Driven (Sandpoint)       Dug       Did sealing material rise to surface?       Yes       No       N/A         Formation Type:	Borehole / Drillhole	If a Well Construction Report is			Was casing	r cut off belo	w surface?	Yes	No 🕅 N/A	
Construction Type:       Driven (Sandpoint)       Dug         Diffinition Type:       Diffinition Type:         Vestige       No         No       NA         Formation Type:       Required Method of Placing Sealing Material         Conductor Pipe-Gravity       Conductor Pipe-Pumped         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)         2.0       Casing Depth (ft.)         Sealing Materials       Concrete         Sand-Cement Grout       Concrete         Sand-Cement Grout       Concrete         Sand-Cement Grout       Bentonite Chips         Was well annular space grouted?       Yes       No         Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Ya         3/8" bentonite chips       Surface       5.5       0.12 cubic feet         3/8" bentonite chips       Surface       5.5       0.12 cubic feet		avaliable, ple	ase attaci	n.	Did sealing	material rise	e to surface?	Yes 🗌	No 🗍 N/A	
Material       Driven (Sandpoint)       Dug       If yes, was hole retopped?       Yes       No       N/A         If bentonite chips were used, were they hydrated       No       N/A         Formation Type:       Required Method of Placing Sealing Material       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Screened & Poured       Other (Explain)         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Other (Explain)         2.0       No       Unknown       For Monitoring Well Boreholes Only:       For Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout       Connecte         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: No         6. Comments       Image: Surface       5.5       0.12 cubic feet       Image: Surface       Surface	Construction Type:		_	_	Did materia	al settle after	24 hours?	Yes 🗌	No 📈 N/A	
□ Other (Specify)	Drilled Driven	(Sandpoint)	L	Dug	If yes, wa	as hole retop	oped?	Yes	No 🔀 N/A	
Formation Type:       with water from a known safe source       Yes       No       N/A         Muconsolidated Formation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Casing Diameter (in.)       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Sealing Materials       Concrete       Sealing Metrials         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Sc analize to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant       Mix Ratio         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Comments	Other (Specify)				If bentonite	chips were	used, were they hydrated	_	_	
Inconsolidated Formation       Bedrock       Required Method of Placing Sealing Material         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials         2.0       Neat Cement Grout       Concrete         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Single feet         6. Comments       Surface       5.5       0.12 cubic feet       Image: Single feet	Formation Type:				with water from a known safe source Ves No N/A					
Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Screened & Poured (Bentonite Chips)       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Image: Conductor Pipe-Gravity       Other (Explain)         2.0       Sealing Materials       Image: Concrete       Concrete         Was well annular space grouted?       Yes       No       Unknown         For Monitoring Wells and Monitoring Well Boreholes Only:       Image: Concrete (For Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Bentonite       Sadad Surry       Mix Ratio or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Concrete or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Concrete or Mud Weight         6. Comments       Image: Concrete or Concor Concrete or Concrete or Concrete or Concr	Unconsolidated Formation	E	edrock		Required Method of Placing Sealing Material					
Index Weir Depth Promit Ground Surface (it)       Casing Dameter (it.)       Screened & Poured (Bentonite Chips)       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Depth of Concrete) Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Volume (circle one)         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Additional contents	Tatal Wall Donth From Cround Surface (		motor (in	\ \	- Conductor Pipe-Gravity					
Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         For Monitoring Wells and Monitoring Well Boreholes Only:       Bentonite Chips       Bentonite - Cement Grout         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Surface       5.5         6. Comments       Embed Surface       Surface       Surface       Surface       Surface       Surface	Total Weil Depth From Ground Surface (		ineter (m.	.)	Benton	ed & Poured	Other	(Explain)		
Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Image: Concrete interval in					(Denton Sealing Mater	iale				
2.0       Image: Concrete in the concr	Lower Drillhole Diameter (in.)	Casing De	pth (ft.)			iais		onoroto		
Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mux Ratio or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Surface of the second secon	2.0					ement Grout	croto) Grout	oncrete ontonito Chi	nc	
If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Nud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet         6. Comments       E       E	Was well annular space grouted?	Yes	No	Unknown	For Monitoring	a Wells and	Monitoring Well Boreholes (	only:	pa	
5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Comparison of Compa	If ves, to what depth (feet)?	Depth to Water	(feet)		Bentoni	te Chips	Bentonite - 0	Cement Gro	ut	
5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       5.5       0.12 cubic feet       Image: Surface       Image: Surface <t< td=""><td colspan="3"></td><td>Granula</td><td>r Bentonite</td><td>Bentonite - S</td><td>Sand Slurry</td><td></td></t<>				Granula	r Bentonite	Bentonite - S	Sand Slurry			
S. Material Used to Fill Well / Drilliole     From (it.)     To (it.)     or Volume (circle one)     or Mud Weight       3/8" bentonite chips     Surface     5.5     0.12 cubic feet     Image: Comparison of the comparison of	5 Material Used to Fill Well / Drillhole			Examp (ft.)	To (#)	No. Yards, Sacks Sea	alant	Mix Ratio		
3/8" bentonite chips     Surface     5.5     0.12 cubic feet       6. Comments				FIOIII (IL.)	10 (11.)	or Volume (circle or	ne) o	r Mud Weight		
3/8" bentonite chips     Surface     5.5     0.12 cubic feet       6. Comments										
6. Comments	3/8" bentonite chips				Surface	5.5	0.12 cubic feet			
6. Comments										
6. Comments										
6. Comments										
	6. Comments					II		I		

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signatuge of Person D∳ing Work		Date Signed
St. Charles	IL	60175	Jydia Annes	(TRC)	8/13/2021
			00		

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

		Route t	o DNR Bureau:						
Verification Only of Fill a	nd Seal	Пг	rinking Water	Г	Watershe	ed/Wastewater 🛛 🕅 R	emediation	Redevelopment	
			Vaste Manageme	nt 🗌	] Other		ionnoulation,	r to do r olopinoint	
1. Well Location Information			ruoto managomo	2. Facility /	Owner In	formation			
County WI Unique W	ell # of	Hicap #		Facility Name					
Removed We				RockGen I	Energy Cer	nter			
Dane (SB-09)	) 			Facility ID (FID	or PWS)				
Lattitude / Longitude (see instructions)	Forma	Code	Method Code						
42.97573 ° N		MDC	SCR002	License/Permi	it/Monitoring	#			
74 NW 74 NW	Section	ownsnip		Original Well (	Owner				
or Gov't Lot #	23	0							
Well Street Address				Present Well (	Jwner				
2346 Clear View Road				Dennis Oe	hring	t Oumar			
Well City, Village or Town Well ZIP Code			' Code						
Cambridge		5352	3	2346 Clear	r View Roa t Owner	ad	State	ZIP Code	
Subdivision Name		Lot #		Cambridge State			МЛ	53523	
				A Pump Liner Screen Casing & Sealing Material					
Reason For Removal From Service V	VI Unique Well ;	f of Replace	cement Well	Dump and					
Testing completed				Pump and piping removed?					
3. Filled & Sealed Well / Drillhole	/ Borehole Ir	formatio	on	Liner(s) ren	forstod?		Yes 🗌		
Monitoring Well	Original Consti	uction Dat	te (mm/dd/yyyy)	Screen rem	noved?		Yes	No 🕅 N/A	
Water Well	04/20/2021			Casing left	in place?		Yes 🗌	No 🕅 N/A	
	If a Well Cor	struction I	Report is						
Borenole / Drilinole	available, ple	ease attacl	h.	Was casing	g cut off belo	w surface?			
Construction Type:				Did sealing	material ris				
Drilled Driven	(Sandpoint)		Dug	Did materia	a settle atter		] Yes □		
Other (Specify)				If bentonite	chins were	used were they hydrated			
				with water f	from a know	n safe source	Yes 🗌	No N/A	
	Π.			Required Meth	nod of Placir	ng Sealing Material			
		edrock							
Total Well Depth From Ground Surface (	t) Casing Dia	ameter (in.	.)	Screene	ed & Poured	Other	(Explain)		
				(Benton	ite Chips)		<b>、</b> 1		
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)		Sealing Materi	ials				
2.0				Neat Ce	ement Grout		oncrete		
			1	Sand-C	ement (Con	crete) Grout 🛛 🖾 Be	entonite Chi	ps	
Was well annular space grouted?			Unknown	For Monitoring	g Wells and	Monitoring Well Boreholes C	Only:		
If yes, to what depth (feet)?	Depth to Wate	(feet)			te Chips	Bentonite - C	Cement Gro	ut	
				Granula	r Bentonite		and Slurry	Mix Datia	
5. Material Used to Fill Well / Drillhole			From (ft.)	To (ft.)	or Volume (circle or	nant   ne)   o	r Mud Weight		
						,	, -		
3/8" bentonite chips				Surface	6.0	0.13 cubic feet			
<b>i</b>									
6. Comments									

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing License #			Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signature of Person Dging Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021
			00		

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

	1	Route t	to DNR Bureau:						
Verification Only of Fill a	ind Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	Redevelopment	
		Πv	Vaste Manageme	nt 🗌	Other				
1. Well Location Information				2. Facility /	Owner In	formation			
County WI Unique W	/ell # of	Hicap #		Facility Name					
Removed We	ell			RockGen I	Energy Cer	nter			
Dane (SB-10	)	Orde	Mathead Oada	Facility ID (FID	or PWS)				
Lattitude / Longitude (see instructions)	Format	Code							
42.9/59/° N			SCR002	License/Permi	it/Monitoring	1#			
	Section T	ownehin							
74 / 74 NVV /4 NVV	22	6		Original Well (	Owner				
or Gov't Lot #	25	0			<u></u>				
Well Street Address				Present Well C	Jwner				
2346 Clear View Road				Dennis Oe Mailing Addres	nring	nt Owner			
Well City, Village or Town Well ZIP Code			<sup>o</sup> Code						
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code	
Subdivision Name		Lot #		Cambridge	•		WI	53523	
				4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service	VI Unique Well #	f Replace	cement Well	Pump and u	nining remov	ved?	Yes 🗌	No 🕅 N/A	
Testing completed			Liner(s) removed?						
3. Filled & Sealed Well / Drillhole	/ Borehole In	formatio	on (IIII)	Liner(s) per	forated?		] Yes 🗌	No 🕅 N/A	
Monitoring Well	Original Constr	uction Dat	te (mm/dd/yyyy)	Screen rem	noved?	Γ	] Yes 🗌	No 🕅 N/A	
Water Well	04/20/2021			Casing left	in place?		Yes 🗌	No 🕅 N/A	
Borobolo / Drillbolo	If a Well Cor	struction I	Report is						
	available, ple	ase attacl	h.	Vvas casing	g cut off beic	ow surface?	Yes		
Construction Type:				Did sealing	Indicidi no	24 hours?	∃ Yes □	No 🕅 N/A	
Drilled Driven	(Sandpoint)		Dug	If ves wa	as hole retor	ned?	Yes 🗌	No 🕅 N/A	
Other (Specify)				If bentonite	chips were	used, were they hydrated			
				with water f	rom a know	n safe source	Yes	No 🗌 N/A	
		odrock		Required Method of Placing Sealing Material					
		eurock		Conductor Pipe-Gravity					
Total Well Depth From Ground Surface (	ft) Casing Dia	ameter (in.	.)	Screene	d & Poured	Other	(Explain)		
				(Benton	ite Chips)				
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)		Sealing Materi	ials				
2.0					ement Grout		oncrete		
Wee well enculer encode grouted?				Sand-C	ement (Con	crete) Grout	entonite Chi	ps	
Was well annual space grouted?			Unknown		g vvelis and		Dniy:		
If yes, to what depth (feet)? Depth to Water (feet)				r Bontonito		Sond Slurny	ul		
						No Yards Sacks Sea	alant	Mix Ratio	
5. Material Used to Fill Well / Drillhole			From (ft.)	To (ft.)	or Volume (circle of	ne) o	r Mud Weight		
3/8" bentonite chips				Surface	9.5	0.21 cubic feet			
· · ·									
C. Commonto									
6. Comments									

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	Person or Firm Doing Filling & Sealing License #			Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signature/of Person Doi/ig Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021
					-

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 c

Page 1 of 2

		Route t	o DNR Bureau:							
Verification Only of Fill a	nd Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	Redevelopment		
		🗆 v	Vaste Manageme	nt 🗌	Other					
1. Well Location Information				2. Facility /	Owner In	formation				
County WI Unique W	ell # of	Hicap #		Facility Name						
Removed We				RockGen Energy Center						
Dane (SB-102	X)	O a da	Matha d Oa da	Facility ID (FID or PWS)						
Lattitude / Longitude (see Instructions)	Forma	Code								
42.97596° N		DDM	SCR002	License/Permi	it/Monitoring	1#				
$\frac{-89.0482}{16}$ W	Section T	ownshin								
	23	6		Original Well (	Owner					
or Gov't Lot #	25	0			2					
Well Street Address				Present Well C	Jwner					
2346 Clear View Road				Dennis Oe Mailing Addres	enring ss of Preser	nt Owner				
Well City, Village or Town		Well ZIF	<sup>o</sup> Code							
Cambridge		5352	3	City of Presen	t Owner	au	State	ZIP Code		
Subdivision Name		Lot #		Cambridge			WI	53523		
				4. Pump, Liner, Screen, Casing & Sealing Material						
Reason For Removal From Service V	VI Unique Well	# of Replac	cement Well	Pump and u	nining remov	ved?	Yes	No 🕅 N/A		
Testing completed			Liner(s) removed?							
3. Filled & Sealed Well / Drillhole	/ Borehole Ir	formatic	<u>n</u>	Liner(s) per	rforated?		Yes 🗌	No 🕅 N/A		
Monitoring Well	Original Const	uction Dat	e (mm/dd/yyyy)	Screen rem	noved?		Yes 🗌	No 🕅 N/A		
Water Well	04/20/202	20/2021			in place?		Yes 🗌	No 📈 N/A		
Borehole / Drillhole	If a Well Cor	struction F	Report is	Was casing	r cut off belo	w surface?	Yes 🗌	No 🕅 N/A		
	avaliable, pl	ease attaci	n.	Did sealing	material ris	e to surface?	Yes	No N/A		
Construction Type:		_	_	Did materia	al settle after	24 hours?	Yes	No 🕅 N/A		
Drilled Driven	(Sandpoint)	L	Dug	If yes, wa	as hole retor	oped?	Yes	No 🔀 N/A		
Other (Specify)				If bentonite	chips were	used, were they hydrated				
Formation Type:				with water from a known safe source Ves No N/A						
		edrock		Required Meth	nod of Placir	ng Sealing Material				
			、 、	Conductor Pipe-Gravity     Conductor Pipe-Pumped						
Total Well Depth From Ground Surface (1	τ) Casing Di	ameter (in.	.)		ed & Poured	Other	(Explain)			
				(Denion Sealing Materi						
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)			idio		onoroto			
2.0					omont (Con	croto) Grout	oncrete ontonito Chi	nc		
Was well annular space grouted?	Yes	No	Unknown	For Monitoring	a Wells and	Monitoring Well Boreholes (	only:	μs		
If ves. to what depth (feet)?	Depth to Wate	r (feet)			te Chips	Bentonite - (	Cement Gro	ut		
				Granula	r Bentonite	Bentonite - S	Sand Slurry			
5 Meterial Lload to Fill Wall / Drillhala			<b>E</b> mana (64.)	To (64)	No. Yards, Sacks Sea	alant	Mix Ratio			
5. Material Used to Fill Well / Drillhole			From (ft.)	το (π.)	or Volume (circle or	ne) o	r Mud Weight			
3/8" bentonite chips	Surface	9.5	0.21 cubic feet							
6. Comments										

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	on or Firm Doing Filling & Sealing License #			Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signatur/∋ of Person D∳ing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021
			00		

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 c

Page 1 of 2

		Route t	to DNR Bureau:						
Verification Only of Fill a	ind Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 R	Remediation	/Redevelopment	
		Πv	Vaste Manageme	nt 🗌	Other			•	
1. Well Location Information			<u> </u>	2. Facility /	Owner In	formation			
County WI Unique W	ell # of	Hicap #		Facility Name					
Removed We				RockGen Energy Center					
Dane (SB-11)	)	h O a d a	Math and Oarda	_Facility ID (FID or PWS)					
Lattitude / Longitude (see Instructions)	Forma	n Code							
42.9/593 N		DDM	SCR002	License/Permi	it/Monitoring	#			
$\frac{-89.04831}{16}$ W	Section 1	ownshin							
	23	6		Original Well (	Owner				
or Gov't Lot #	23 6 12 L w				2				
Well Street Address				Present Well C	Jwner				
2346 Clear View Road				Dennis Oe Mailing Addres	enring ss of Preser	nt Owner			
Well City, Village or Town		Well ZIF	<sup>o</sup> Code	2346 Class		ad ad			
Cambridge		5352	3	City of Presen	State	ZIP Code			
Subdivision Name		Lot #		Cambridge			WI	53523	
				4. Pump, Liner, Screen, Casing & Sealing Material					
Reason For Removal From Service WI Unique Well # of Replacement Well				Pump and u	nining remov	ved?	Yes	No 🕅 N/A	
Testing completed			Liner(s) removed?						
3. Filled & Sealed Well / Drillhole	/ Borehole I	formatio	on (IIII)	Liner(s) per	rforated?		Yes 🗌	No 🕅 N/A	
Monitoring Well	Original Const	ruction Dat	te (mm/dd/yyyy)	Screen rem	noved?		Yes 🗌	No 🕅 N/A	
Water Well	04/20/202	l		Casing left	in place?		Yes 🗌	No 🕅 N/A	
Borebole / Drillbole	If a Well Co	If a Well Construction Report is			'				
	available, pl	ease attacl	h.	Vvas casing	g cut on beic	ow surface?	Yes 🗌		
Construction Type:				Did sealing			Yes 🗌		
Drilled Driven	(Sandpoint)		Dug	If ves wa	as hole retor	ned?	Yes	No X N/A	
Other (Specify)				If bentonite	chips were	used, were they hydrated			
Eormation Turne:				with water from a known safe source Yes No N/A					
		) - du - el -		Required Meth	nod of Placir	ng Sealing Material			
		Bedrock							
Total Well Depth From Ground Surface (	it) Casing Di	ameter (in.	.)	Screene	ed & Poured	Other	(Explain)		
				(Benton	ite Chips)				
Lower Drillhole Diameter (in.)	Casing D	epth (ft.)		Sealing Materi	ials	_			
2.0				Neat Ce	ement Grout		oncrete		
			1	Sand-C	ement (Con	crete) Grout 🛛 🖾 Be	entonite Chi	ps	
Was well annular space grouted?			Unknown	For Monitoring	g Wells and	Monitoring Well Boreholes C	Only:		
If yes, to what depth (feet)? Depth to Water (feet)			Bentoni	te Chips	Bentonite - C	Cement Gro	ut		
					No. Vardo, Saoko Soc		Mix Patio		
5. Material Used to Fill Well / Drillhole			From (ft.)	To (ft.)	or Volume (circle or	ne) o	r Mud Weight		
3/8" bentonite chips				Surface	9.8	0.21 cubic feet			
6. Comments									

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	on or Firm Doing Filling & Sealing License #			Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route			Telephone Number	Comments	
4N969 Old LaFox Road, Unit E			(630) 377-7766		
City	State	ZIP Code	Signatu∕je of Person D∳ing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 c

Page 1 of 2

□ Verification Only of Fill and Seal       □ Ornking Water       □ Water band/Wastewater       ☑ Remediation/Redevelopment         1. Well Location Information       2. Facility / Owner Information         County       [Numous Well of Information       2. Facility / Owner Information         Dame       (SB-12)       [Bander Schler Schle			Route t	to DNR Bureau:							
Image: Note: Section: Information         Under the section:	Verification Only of Fill a	nd Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖾 F	Remediation	/Redevelopment		
1. Well Location Information         2. Facility / Owner Information           County         Withings Well # of (SB-12)         Facility / Owner Information           Latitude / Longtude (see instructions)         Forme Code         Facility / Owner Information           42.97596 °         N         Beality (D (PD or PWS))           -80.01836 °         W         Section           7/1/k NW         V         NW         Section           6         12         W           Well Street Address         Cambridge         Organal Well Owner           2346 Clear View Road         53523         Clair #           State         State         State           2446 Clear View Road         State         Zif P Code           Cambridge         State         State         Zif P Code           State         State         State         Zif P Code           State         State         State         Zif P Code           State         State         State         N N           Well Clay, Vilege or Town         Well ZIP Code         State         N N           State         Vile Unque Well of Repacement Well         Clair # View Road         State         N N           State         Vile Clay, Vilege or Town </td <td></td> <td></td> <td>Πv</td> <td>Vaste Manageme</td> <td>nt 🗌</td> <td>Other</td> <td></td> <td></td> <td></td>			Πv	Vaste Manageme	nt 🗌	Other					
County         Wit Unique Welf         Hicap #         Facility Name           Date         (SB-12)         Facility Name         Reversed Welf         Facility Name           Latitude / Longitude (see instructions)         Format Code         Grows         Facility Name         Facility Name           2.800 M4350 °         W         23         6         12         ©         Provide (see instructions)         Format Code           2.410 M4350 °         W         23         6         12         ©         Provide (see instructions)         Format Code           2.424 Clear View Road         Cambridge         Sis23         Colern View Road         Demnis Ochring         2346 Clear View Road           Cambridge         Sis23         Coler View Road         Siste         Ziste         View Road           Cambridge         Sis23         Coler View Road         Cambridge         No         NA           Subdivision Name         Lot #         Cambridge         No         NA           Subdivision Name         Lot #         Pump, Liner, Screen, Casing & Soaling Material         Proven (Name           Testing completed         Inter(s) perforated?         Yes         No         NA           M water Well         Old/20/2021         Construction Report	1. Well Location Information			<u> </u>	2. Facility /	Owner In	formation				
Dane         Renoved Well           Latitude (See instructions)         Format Code         Facility (D, FD or PWS)           -2.97596*         N         DDM         Gravitations           -2.97596*         N         Constructions)         Constructions           -2.97596*         N         Constructions)         Constructions           -2.97596*         N         Cambridge         Constructions)           -2.97596*         N         Cambridge         Constructions)           -2.07607         NW         Section         Constructions)         Constructions           -2.040107, Village or Town         2346 Clear View Road         Vel Constructions Determent Well Constructions Determined         Constructions Determined         Constructions Determined           -2.04107, Village or Town         State or Township         Present Vel Owner         State 22P Code           -2.04107, Village or Town         State or Township         State or Township         State 22P Code           -2.04107, Village or Town         State or Township         State or Township         State 22P Code           -2.04107, Village or Town         State or Township         State or Township         Na           -2.04107, Village or Town         State or Township         Na         Na           -2.0	County WI Unique W	ell # of	Hicap #		Facility Name						
Date       (SH-12)       Format Code       Format Code       Format Code         42.97596 °       N       DD       Format Code       Format Code       Format Code         >S9.04536 °       W       DD       Format Code       Format Code       Format Code         >S9.04536 °       W       DD       Format Code       Format Code       Format Code         %1 // X NW       X       NW       Section       Township       Format Code       Format Code         2346 Clear View Road       2346 Clear View Road       Cambridge       State       ZIP Code         2346 Clear View Road       State       ZIP Code       State       ZIP Code         Cambridge       S523       Cht of Present Owner       State       ZIP Code         Cambridge       State       Cht of Present Owner       State       XIP Code         Suddivision Name       Lot #       Cht of Present Owner       Yes       No       NA         Testing Completed       Montoring Weil       Original Construction Date (mriddlyyyy)       Yes       No       NA         Sealed Weil / Drillhole / Borehole Information       Iner(s) perforated?       Yes       No       NA         Mater Weil       Original Construction Report is       was casal	Removed We				RockGen Energy Center						
Latitude (Languade (see insertications)	Dane (SB-12)	)	l Os da	Mathe al Oada	_Facility ID (FID or PWS)						
42.9736°       N       Image: CR002       Original Weil Conner         59.0433°       NW       Section       Township       Parge Status       Original Weil Conner         %1/% NW       % NW       Section       Township       Parge Status       Present Weil Conner         Wall Street Address       2346 Clear View Road       Demis Ochrining       Present Viel Owner       Demis Ochrining         2346 Clear View Road       Wall ZIP Code       Cambridge       Cate Status       Demis Ochrining         2346 Clear View Road       User Freeent Owner       State       ZIP Code         Cambridge       Gato Liner, Screen, Casing & Sealing Material       Pump and piping removed?       Yes       No       NA         Cambridge       Original Construction Date (mm/dd/yyyy)       Original Construction Report Is available, please attach.       No       NA         Stilled       Driven (Sandpoint)       Dug       Ves       No       NA         Gorentoicin Type:       Original Construction Report Is available, please attach.       Ves       No       NA         Original Construction Report Is available, please attach.       Construction Type:       Yes       No       NA         Original Construction Report Is available, please attach.       Conductor Pipe-Crawity       Yes       No	Lattitude / Longitude (see Instructions)	Forma		GPS008							
80.043,65 °       vv	42.97596° N		DDM	SCR002	License/Permi	it/Monitoring	1#				
All Y NW       X       Y NV       Cash of Covert Lift       23       6       12       W         Well Street Address       2346 Clear View Road       Maiing Address of Present Owner       Damis Ochring         2446 Clear View Road       Well City, Village or Toon       Saste       2346 Clear View Road         Cambridge       53523       Cloy Or Present Owner       State       ZIP Code         Suddivision Name       Lot #       Pump and piping removed?       Yes       No       NA         Testing completed       Pum and piping removed?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyy)       Green removed?       Yes       No       NA         Monitoring Well       Original Construction Report is available, please attach.       State attach.       State attach       No       NA         Construction Type:       If a Veli Construction Report is available, please attach.       Yes       No       NA         Other (Specify)       Formation Type:       Yes       No       NA         Construction Type:       Other (Specify)       Yes       No       NA         Total Well Depth From Ground Surface (ft)       Casing Dateneter (n.)       Casing Dateneter (norther Corips)       Conductor Pipe-Gravity       Seatore	$\frac{-89.04836}{16.14}$ W	Section T	ownshin								
or GoV103#       LS       C       L       W         Well Street Address       Present Well Owner       Demis Ochring       Mailing Address of Present Owner         2346 Clear View Road       Siste       ZIP Code       Siste       ZIP Code         Cambridge       53523       Cambridge       WI       Siste       ZIP Code         Suddivision Name       Lot #       Cambridge       WI       Siste       ZIP Code         Suddivision Name       Lot #       Cambridge       WI       Siste       ZIP Code         3. Filled & Sealed Well / Drillhole / Borehole Information       Uner(s) removed?       Yes       No       NA         Sceneroke / Drillhole       // Savet well       # available, please attach.       Was casing cut of below surface?       Yes       No       NA         Construction Type:       Origent Construction Report is available, please attach.       Was casing cut of below surface?       Yes       No       NA         Drilled       Driver (Seadpoint)       Dug       Was casing cut of below surface?       Yes       No       NA         Gorstruction Type:       Origent Construction Report is available, please attach.       Dug       Was casing cut of below surface?       Yes       No       NA         Other (Specify)       Dri		23	6		Original Well (	Owner					
Well Street Address       Present Well CMP         2346 Clear View Road       Demis Ochring         Well City, View Road       State         Qell City, View Road       State         Cambridge       53523         Suddvision Name       Lot #         Reason For Removal From Service       Wil View Well # of Replacement Well         Testing completed       Pump, Liner, Screen, Casing & Sealing Material         Pump Liner, Server, Casing & Sealing Material       Pump and piping removed?         Water Well       If a Well Construction Report is available, please attach.         Other (Specify)       Driven (Sandpoint)       Dug         If well well for Sing Dameter (in.)       Casing Dameter (in.)       Yes       No         Other (Specify)       Driven (Sandpoint)       Dug       Yes       No       NA         Construction Type:       Driven (Sandpoint)       Dug       Yes       No       NA         Quero Drilhole Diameter (in.)       Casing Dameter (in.)       Casing Dameter (in.)       Casing Material       Conductor Pipe-Pumped       Screenet Gorout       Yes       No       NA         Quero Drilhole Diameter (in.)       Casing Dameter (in.)       Scaling Material       Conductor Pipe-Pumped       Screenet Gorout       Yes       No       NA </td <td>or Gov't Lot #</td> <td colspan="4">23 0 12 L w</td> <td>2</td> <td></td> <td></td> <td></td>	or Gov't Lot #	23 0 12 L w				2					
2346 Clear View Road       Defining Vetting         Well City, Village or Town       Well ZIP Code       2346 Clear View Road         Cambridge       53523       2346 Clear View Road         Subdivision Name       Lot #       Cambridge       3523         Reason For Removal From Service       WU Unique Well # of Repiacement Well       View State       View State         Testing completed       Oniginal Construction Date (mm/dd/yyyy)       A Pump, Liner, Screen, Casing & Sealing Material       Ves       No       NA         Montioning Well       Original Construction Report is available, please attach.       Oniginal Construction Report is available, please attach.       No       NA         Montioning Well       Original Construction Report is available, please attach.       Ves       No       NA         Construction Type:       Driven (Sandpoint)       Dug       Ves       No       NA         Other (Specify)	Well Street Address					Jwner					
Well City, Village or Town       Well ZIP Code       2346 Clear View Road         Cambridge       53523         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well         Testing completed       Pump, Liner, Screen, Casing & Sealing Material         Pump, Liner(s) removed?       Yes    No    NA         Monitoring Well       Original Construction Date (mmidd/yyyy)         Water Well       U4/20/2021         If a Well Construction Report is available, please attach.       Did sealing material rise to surface?       Yes    No    NA         Construction Type:       If a Well Construction Report is available, please attach.       Did sealing material rise to surface?       Yes    No    NA         Other (Specify)       If a Well Construction Report is available, please attach.       Did material sette after 24 hours?       Yes    No    NA         Other (Specify)       If a Well Construction Report is available, please attach.       Did material sette after 24 hours?       Yes    No    NA         Other (Specify)       If a Well Construction Report is available, please attach.       Did material sette after 24 hours?       Yes    No    NA         Id Unconsolidated Formation       Bedrock       Conductor Plea-Crawity    Conductor Plea-Pumped       Conductor Plea-Pumped         Total Well Depth From Ground Surface (fth)       Casing De	2346 Clear View Road				Dennis Oe Mailing Addres	hring	at Ownor				
Cambridge       53523         Cambridge       State         Subdivision Name       Lot #         Reason For Removal From Service       WI Unique Well # of Replacement Well         Testing completed       Dringinal Construction Date (mnvidd/yyyy)         Scaled Well // Drillhole / Borehole Information       Uner(s) perforated?       Yes       No       NA         Monitoring Well       Original Construction Date (mnvidd/yyyy)       Screen removed?       Yes       No       NA         Material       Outgo: perforated?       Yes       No       NA         Water Well       Original Construction Report is available, please attach.       Vale Construction Report is available, please attach.       Was casing eut of thelow surface?       Yes       No       NA         Construction Type:       Driled       Driven (Sandpoint)       Dug       His entoned source?       Yes       No       NA         Muto atterial setting Sealing Material       Conductor Pipe-Gravity       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Muto atterial Seconce (Inc.)       Casing Depth (ft.)       Screen Cornet Grout       Server nero Grout       Server nerower (Explain)         Wasea and anular space grouted?       Yes	Well City, Village or Town		Well ZIF	P Code		a View De					
Subdivision Name       Lot #       Control       Wit       Sizes         Reason For Removal From Service       Wit Unique Welf # of Replacement Welf       Pump and piping removed?       Yes       No       NA         3. Filled & Sealed Well / Drillhole / Borehole Information       Pump and piping removed?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyyy)       O4/20/2021       Yes       No       NA         Boerhole / Drillhole       available, please attach.       Water Well       Yes       No       NA         Other (Specify)       Inter(s) perforated?       Yes       No       NA         Construction Type:       Drilled       Driven (Sandpoint)       Dug       Dug       Yes       No       NA         Yes       No       NA       Kin Water from Anown safe source       Yes       No       NA         Yes       No       Unconsolidated Formation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped         Screened & Poured       Construction Pipe Gravity       Conductor Pipe-Pumped       Screened & Poured       Conductor Pipe-Pumped         Sub Hoter Secord       Yes       No       Unconsolidated Form Ground Surface (ft, 1)       Casing Depth (ft, 1)       Sealing Material	Cambridge		5352	3	2340 Clear	State	ZIP Code				
Aumonage       Aumonage       Aumonage       Aumonage         4. Pump Juner, Screen, Casing & Sealing Material       Pump and piping removed?       Yes       No       NA         3. Filled & Sealed Well / Drillhole / Borehole Information       Uner(s) perforated?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yoy)       Uner(s) perforated?       Yes       No       NA         Water Well       If a Well Construction Report is available, please attach.       Outperformation?       Yes       No       NA         Construction Type:       Driven (Sandpoint)       Dug       Dug       Other (Specify)       Yes       No       NA         Formation Type:       Construction Type:       Did material settle after 24 hours?       Yes       No       NA         Did material settle after 24 hours?       Yes       No       NA         Multicater from a known safe source       Yes       No       NA         Multicater from a known safe source       Yes       No       NA         Identified after 24 hours?       Yes       No       NA         Identified after Staticater from a known safe source       Yes       No       NA         Identified after Staticater from a known safe source       Yes       No	Subdivision Name		Lot #		Cambridge			WI	53523		
Reason For Removal Form Service       WI Unique Well # of Replacement Well         Testing completed       Pump and piping removed?       Yes       No       N/A         S. Filled & Sealed Well / Drillhole / Borehole Information       Uner(s) perforated?       Yes       No       N/A         Water Well       Original Construction Date (mm/dd/yyyy)       Od/20/2021       Yes       No       N/A         Construction Type:       If a Well Construction Report is available, please attach.       Was casing cut off below surface?       Yes       No       N/A         Construction Type:       Driven (Sandpoint)       Dug       Did sealing material sette after 24 hours?       Yes       No       N/A         Construction Type:       Driven (Sandpoint)       Dug       Testing Series attach.       Did sealing material sette after 24 hours?       Yes       No       N/A         Construction Type:       Muter form a known safe source       Yes       No       N/A         Multi Depth From Ground Surface (ft)       Casing Diameter (in.)       Casing Diameter (in.)       Casing Diameter (in.)       Scenered & Pourd       Concrete       Source of the conte - Source       Yes       No       N/A         Was well annular space grouted?       Yes       No       Unknown       For Monitoring Well Boreholes Only:       Sealing Materials					4. Pump, Liner, Screen, Casing & Sealing Material						
Testing completed       Formation         3. Filled & Sealed Well / Drillhole       Borehole Information         Monitoring Well       Oiriginal Construction Date (mm/dd/yyyy)         Odd 20/2021       Gasing Left in Place?         Yes       No         Water Well       If a Well Construction Report is available, please attach.         Construction Type:       Was evaluable, please attach.         Diffed       Driven (Sandpoint)         Dud       Dud         description       Bedrock         Formation Type:       No         Other (Specify)       Formation Type:         Unconsolidated Formation       Bedrock         Total Well Depth From Ground Surface (ft)       Casing Depth (ft.)         2.0       Construction Tipe:         2.0       Screened & Pounded         Soreneed & Pounded       Conductor Pipe-Gravity         Conductor Pipe-Gravity       Conductor Pipe-Pumped         Screened & Pounded       Other (Explain)         Was well annular space grouted?       Yes       No         Yes       No       Unknown       For Monitoring Wells and Monitoring Well Soreholes Only:         Identities       Bentonite Chips       Bentonite Chips       Mix Ratio         Concrete       Sand-	Reason For Removal From Service WI Unique Well # of Replacement Well				Dump and u	nining romo	uod?	Yes [			
3. Filled & Sealed Well / Drillhole / Borehole Information       Original Construction Date (mm/dd/yyyr)       Une(s) perforated?       Yes       No       NA         Monitoring Well       Original Construction Date (mm/dd/yyyr)       Original Construction Date (mm/dd/yyyr)       Yes       No       NA         Water Well       Hf a Well Construction Report is available, please attach.       Yes       No       NA         Construction Type:       If a Well Construction Report is available, please attach.       Was casing ut off below surface?       Yes       No       NA         Other (Specify)       If each off the please attach.       Dud sealing material rise to surface?       Yes       No       NA         Increase of the please attach.       Dus       If equired Method of Placing Sealing Material       Yes       No       NA         Increase of the please attach.       Dus       If equired Method of Placing Sealing Material       Conductor Pipe-Gravity       Yes       No       NA         Increase of the please of the please attach.       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Screened & Poured       Other (Explain)         Increase of the please of the ple	Testing completed			Pump and piping removed?							
Monitoring Well       Original Construction Date (mm/dd/yyyy)       Screen removed?       Yes       No       N/A         Water Well       If a Well Construction Report is available, please attach.       Gasing left in place?       Yes       No       N/A         Construction Type:	3. Filled & Sealed Well / Drillhole	/ Borehole II	formatio	on	Liner(s) ner	rforated?		Yes	N₀ ⊠ N/A		
Water Well       04/20/2021       Gasing left in place?       Yes       No       NA         Borehole / Drillhole       If a Well Construction Report is available, please attach.       Gasing left in place?       Yes       No       NA         Construction Type:       Dilled       Driven (Sandpoint)       Dug       Did sealing material rise to surface?       Yes       No       NA         Construction Type:       Main Construction (Sandpoint)       Dug       Did sealing material settle after 24 hours?       Yes       No       NA         Formation Type:       Muconsolidated Formation       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped       NA         Total Well Depth From Ground Surface (ft)       Casing Depth (ft.)       Sealing Material       Conductor Pipe-Pumped       Other (Explain)         2.0       Screened & Poured (Gentonite Chips)       Other (Explain)       Sealing Material       Concrete         2.0       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:       Bentonite Chips         4       Yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout       Concrete         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Mix Ratio or Mud Weight	Monitoring Well	Original Const	ruction Dat	te (mm/dd/yyyy)	Screen rem	noved?		] Yes [	No 🕅 N/A		
Image: Source of the second	Water Well	04/20/202			Casing left	in place?		Yes	No 🕅 N/A		
		If a Well Co	a Well Construction Report is								
Construction Type:       Did sealing material rise to surface?       Its in to intervent in the to surface?         Material Settle after 24 hours?       Its into intervent in the to surface?       Its into intervent interv		available, pl	ease attac	h.	Was casing	g cut off belo	w surface?				
Material setter after 24 notice?       Image: Note in the information of the informati	Construction Type:				Did sealing	material ris					
□ Other (Specify)	Drilled Driven	(Sandpoint)		Dug	Did materia	a selle aller	24 hours?	Yes			
Formation Type:       In Domination and Provide a control on the one provide a control on provide a control on the one provide a control on the control on the one provide a control on the control on	Other (Specify)				If bentonite		used were they hydrated				
Formation Type:       Image: Ima					with water f	from a know	n safe source	Yes	No N/A		
Inconsolidated Formation       Bedrock       Conductor Pipe-Gravity       Conductor Pipe-Pumped         Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Screened & Poured       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Bentonite Chips       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Construction or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Construction or Mud Weight		Γ.			Required Meth	nod of Placir	ng Sealing Material		·		
Total Well Depth From Ground Surface (ft)       Casing Diameter (in.)       Screened & Poured (Bentonite Chips)       Other (Explain)         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Concrete       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         S. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Muk Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet         6. Comments       Entonite chips       Image: Surface       Surface	Unconsolidated Formation	L] I	Bedrock								
Image: Construction of the construc	Total Well Depth From Ground Surface (1	ft) Casing Di	ameter (in.	.)		ed & Poured	Other	(Explain)			
Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Materials       Concrete         2.0       Neat Cement Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Nud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet         6. Comments       Formments       Surface       9.5					(Benton	ite Chips)		<b>、</b> 1 <i>)</i>			
2.0       Neat Cement Grout       Concrete         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet         6. Comments       Examples       Examples       Examples	Lower Drillhole Diameter (in.)	Casing De	epth (ft.)		Sealing Materi	ials					
2.10       Sand-Cement (Concrete) Grout       Bentonite Chips         Was well annular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Granular Bentonite       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Concent Science Scien	2.0	_			Neat Ce	ement Grout	L c	oncrete			
Was well annular space grouted?       Yes       No       Unknown       For Monitoring Wells and Monitoring Well Boreholes Only:         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Granular Bentonite       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Comments       Image: Comments				1	Sand-C	ement (Con	crete) Grout 🛛 🖾 B	entonite Chi	ips		
If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Bentonite - Sand Slurry         5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Comments         6. Comments       Surface       Surface       Surface       Surface       Surface	Was well annular space grouted?		No L	Unknown	For Monitoring	g Wells and	Monitoring Well Boreholes C	Only:			
S. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Comparison of the comparison of t	If yes, to what depth (feet)?	Depth to Wate	r (feet)			te Chips	Bentonite - (	Cement Gro	out		
5. Material Used to Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Sealant or Volume (circle one)       Mix Ratio or Mud Weight         3/8" bentonite chips       Surface       9.5       0.21 cubic feet       Image: Comparison of Compa				Granula	r Bentonite	Bentonite - S	Sand Slurry				
3/8" bentonite chips Surface 9.5 0.21 cubic feet	5. Material Used to Fill Well / Drillhole			From (ft.)	To (ft.)	No. Yards, Sacks Sea or Volume (circle of	alant ne) o	Mix Ratio or Mud Weight			
6. Comments	3/8" bentonite chips				Surface	95	0.21 cubic feet				
6. Comments			2.2	0.21 64016 1001							
6. Comments											
6. Comments											
	6. Comments										

7. Supervision of Work	DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	License #		Date of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021		
Street or Route	et or Route		Telephone Number	Comments	
4N969 Old LaFox Road, Unit E		(630) 377-7766			
City	State	ZIP Code	Signatu∕je of Person D∳ing Work		Date Signed
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 degree

Page 1 of 2

		Route t	to DNR Bureau:					
Verification Only of Fill a	nd Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🖂 F	Remediation	/Redevelopment
			Vaste Manageme	nt 🗌	Other			· · ·
1. Well Location Information				2. Facility	Owner In	formation		
County WI Unique W	ell # of	Hicap #		Facility Name				
Removed We	ell (			RockGen I	Energy Cer	nter		
Dane (SB-13	)	Cada	Mathad Cada	Facility ID (FID	0 or PWS)			
Lattitude / Longitude (see Instructions)	Format	Code DD						
42.97592 <sup>5</sup> N		DDM	SCR002	License/Permi	it/Monitoring	1#		
-89.04838 VV $\frac{14}{14}$ NVA/ $\frac{14}{14}$ NVA/	Section T	wnshin						
	23	6		Original Well C	Jwner			
or Gov t Lot #	20	0		Drocont Woll (	Junor			
Well Street Address				Dennis Oa	hring			
2346 Clear View Road				Mailing Addres	ss of Preser	nt Owner		
Well City, Village or Town Well ZIP Code			<sup>o</sup> Code	2346 Clear	r View Ros	ad		
Cambridge		5352	3	City of Presen	t Owner		State	ZIP Code
Subdivision Name		Lot #		Cambridge	e		WI	53523
				4. Pump, Li	iner, Scree	en, Casing & Sealing Ma	terial	1
Reason For Removal From Service WI Unique Well # of Replacement Well			Pump and i	pipina remov	ved?	Yes	No 🕅 N/A	
Testing completed	<u>,</u>			Liner(s) ren	noved?		Yes	No 🕅 N/A
3. Filled & Sealed Well / Drillhole	/ Borenole In	tormatic	on to (mm/dd/\aaa)	Liner(s) per	rforated?		Yes	] No 🔀 N/A
Monitoring Well	04/20/2021			Screen rem	noved?		Yes 🗌	] No 🔀 N/A
Water Well	04/20/2021			Casing left	in place?		Yes	] No 🔀 N/A
Borehole / Drillhole	If a Well Con available, ple	struction I ase attact	Report is h.	Was casing	g cut off belo	w surface?	Yes	] No 🔀 N/A
Construction Type:	, , , , , , , , , , , , , , , , , , ,			Did sealing	material rise	e to surface?	Yes 🗌	No N/A
	(Sandpoint)	Г		Did materia	al settle after	24 hours?	Yes	No 🛛 N/A
	(Sanupoint)	L	Dug	If yes, wa	as hole retop	oped?	Yes	No 🔀 N/A
Other (Specify)				If bentonite chips were used, were they hydrated				
Formation Type:				with water from a known safe source Yes No N/A				
Unconsolidated Formation	В	edrock		Required Method of Placing Sealing Material				
Total Well Depth From Ground Surface (	t) Casing Dia	meter (in.	.)	Conduc	tor Pipe-Gra	avity Cond	uctor Pipe-F	umped
			·)	Benton	ed & Poured ite Chips)	U Other	(Explain)	
Lower Drillhole Diameter (in.)	Casing De	oth (ft.)		Sealing Materi	ials			
2.0				Neat Ce	ement Grout	c	oncrete	
			1	Sand-C	ement (Con	crete) Grout 🛛 🛛 B	entonite Chi	ips
Was well annular space grouted?	Yes	No 🗌	Unknown	For Monitoring	g Wells and	Monitoring Well Boreholes	Only:	
If yes, to what depth (feet)?	Depth to Water	(feet)		Bentoni	te Chips	Bentonite -	Cement Gro	out
				Granula	r Bentonite	Bentonite -	Sand Slurry	
5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Sea or Volume (circle o	alant ne) o	Mix Ratio or Mud Weight		
3/8" bentonite chips				Surface	11.0	0.24 cubic feet		
6. Comments								

7. Supervision of Work	. Supervision of Work							
Name of Person or Firm Doing Filling & Sealing	License #		Date of Filling & Sealing or Verification	Date Received	Noted By			
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021					
Street or Route	· · · · ·		Telephone Number	Comments				
4N969 Old LaFox Road, Unit E			(630) 377-7766					
City	State	ZIP Code	Signature of Person Doing Work		Date Signed			
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021			
			00,					

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

	Route to DNR Burea							
Verification Only of Fill a	ind Seal		Drinking Water		] Watershe	ed/Wastewater 🛛 🛛 R	emediation/	Redevelopment
		Πv	Vaste Manageme	nt 🗆	Other			
1. Well Location Information				2. Facility	Owner In	formation		
County WI Unique W	/ell # of	Hicap #		Facility Name				
Removed W	ell			RockGen	Energy Cei	nter		
Dane (SB-14	)	Orde	Mathead Oada	Facility ID (FID	O or PWS)			
Lattitude / Longitude (see instructions)	Format	Code						
42.97555° N			SCR002	License/Permi	it/Monitoring	#		
$-89.04905 \circ VV$	Section T	wnehin						
74 / 74 NVV / 74 NVV	22	6		Original Well (	Owner			
or Gov't Lot #	25	0			2			
Well Street Address				Present Well C	Jwner			
2346 Clear View Road				Dennis Oe Mailing Addres	hring	t Owner		
Well City, Village or Town Well ZIP Code			2246 Class					
Cambridge		5352	3	City of Presen	t Owner	10	State	ZIP Code
Subdivision Name		Lot #		Cambridge	e		WI	53523
				4. Pump, Li	iner, Scree	en, Casing & Sealing Mat	terial	33323
Reason For Removal From Service WI Unique Well # of Replacement Well			Pump and	nining remov	ved?	Yes 🗌	No 🛛 N/A	
Testing completed				Liner(s) rer	noved?		Yes	No 🕅 N/A
3. Filled & Sealed Well / Drillhole	/ Borehole In	formatio	on XIII X	Liner(s) per	rforated?		Yes 🗍	No 🕅 N/A
Monitoring Well	Original Construction Date (mm/dd/yyyy)			Screen rem	noved?		Yes 🗍	No 🕅 N/A
Water Well	04/20/2021			Casing left	in place?		Yes	No 📈 N/A
Borobolo / Drillbolo	If a Well Cor	struction I	Report is					
	available, ple	ease attac	h.	Did cooling	matorial rise	n to surface?	1 Yes 🗌	
Construction Type:			_	Did sealing Did materia	al settle after	24 hours?	Yes 🗌	No 🕅 N/A
Drilled Driven	(Sandpoint)		Dug	If ves wa	as hole retor	pped?	Yes 🗌	No 🕅 N/A
Other (Specify)				If bentonite chips were used, were they hydrated				
Eormation Type:				with water from a known safe source Yes No				
		odrock		Required Method of Placing Sealing Material				
		eurock		Conductor Pipe-Gravity				
Total Well Depth From Ground Surface (	ft) Casing Dia	ameter (in.	.)	Screene	ed & Poured	Other	(Explain)	
				(Benton	ite Chips)			
Lower Drillhole Diameter (in.)	Casing De	pth (ft.)		Sealing Mater	ials			
2.0					ement Grout		oncrete	
				Sand-C	ement (Con	crete) Grout 🖂 Be	entonite Chi	ps
Was well annual space grouted?			Unknown		g vvelis and		niy:	
if yes, to what depth (leet)?		(leet)			r Bontonito	Bentonite - C	Sond Slurny	ul
						No Vards Sacks Sea	lant	Mix Ratio
5. Material Used to Fill Well / Drillhole			From (ft.)	To (ft.)	or Volume (circle or	ne) o	r Mud Weight	
3/8" bentonite chips				Surface	4.5	0.1 cubic feet		
					7			
C. Commonto								
6. Comments								

7. Supervision of Work	7. Supervision of Work							
Name of Person or Firm Doing Filling & Sealing	License #		Date of Filling & Sealing or Verification	Date Received	Noted By			
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/20/2021					
Street or Route			Telephone Number	Comments				
4N969 Old LaFox Road, Unit E			(630) 377-7766					
City	State	ZIP Code	Signatyje of Person Dping Work		Date Signed			
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021			
			00					

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 c

Page 1 of 2

Boute to DNR Bure											
□ Verification Only of Fill	and Sea		Drinking Water	Г	Watersha		emediation	/Redevelopment			
,							emetiation	Redevelopment			
			waste Manageme		Uther	6					
1. Well Location Information	Mall # of	Llicon #		2. Facility /	Owner In	itormation					
Removed \	Vell # 01 Vell	пісар #									
Dane (SB-1	5)			RockGen I	Energy Cer	nter					
Lattitude / Longitude (see instructions)	Fo	rmat Code	Method Code		00 PWS)						
42.97582 ° N		🛛 DD	DD GPS008		t/Manitaring	. <i>щ</i>					
-89.04927 ° W				LICENSE/Fermi		j #					
1/4 / 1/4 NW 1/4 NW	Section	Township	Range 🛛 🗖	Original Well (	Owner						
or Gov't Lot #	23	6									
Well Street Address				Present Well (	Owner						
				Dennis Oe	hring						
2346 Clear View Road		14/-11 71		Mailing Addres	ss of Preser	nt Owner					
vveli City, village or Town		VVell ZI	PCode	2346 Clear	r View Ro	ad					
Cambridge		5352	23	City of Presen	t Owner		State	ZIP Code			
Subdivision Name		Lot #		Cambridge	e		WI	53523			
				4. Pump, Li	ner, Scre	en, Casing & Sealing Mat	erial				
Reason For Removal From Service VI Unique Well # of Replacement Well			Pump and	piping remo	ved?	Yes 🗌	No 🔀 N/A				
lesting completed			Liner(s) removed?								
3. Filled & Sealed Well / Drillinole / Borenole Information			Liner(s) perforated?								
Monitoring Well					noved?		Yes 🗌	No 🔀 N/A			
Water Well	04/21/2	021		Casing left	in place?		Yes 🗌	No 🔀 N/A			
Borehole / Drillhole	If a Well	If a Well Construction Report is			r cut off bek	ow surface?	Yes 🗌	No 🕅 N/A			
	available	, please alla	л.	Did sealing	material ris	e to surface?	Yes 🗌	No 🗍 N/A			
Construction Type:		_		Did materia	al settle after	r 24 hours?	Yes 🗌	No 🕅 N/A			
Drilled Drive	n (Sandpoint)		Dug	If yes wa	as hole reto	pped?	Yes 🗌	No 🕅 N/A			
Other (Specify)				If bentonite chips were used, were they hydrated							
Eormation Type:				with water from a known safe source Yes No							
	Г			Required Method of Placing Sealing Material							
	L			Conductor Pipe-Gravity							
Total Well Depth From Ground Surface	(ft) Casing	g Diameter (ir	ı.)	Screene	ed & Poured	Other	(Explain)	,			
				(Benton	ite Chips)		( I )				
Lower Drillhole Diameter (in.)	Casin	g Depth (ft.)		Sealing Materi	ials						
2.0				Neat Ce	ement Grout		oncrete				
		г	 7	Sand-C	ement (Con	crete) Grout 🛛 🖾 Be	ntonite Chi	ps			
Was well annular space grouted?				For Monitoring	g Wells and	Monitoring Well Boreholes O	nly:				
If yes, to what depth (feet)?	Depth to V	/ater (feet)			te Chips	Bentonite - C	Cement Gro	ut			
				Granula	r Bentonite	Bentonite - S	and Slurry				
5. Material Used to Fill Well / Dr	illhole			From (ft.)	To (ft.)	No. Yards, Sacks Sea or Volume (circle or	lant le) o	Mix Ratio r Mud Weight			
3/8" bentonite chips				Surface	5.0	0.11 cubic feet					
6. Comments											

7. Supervision of Work	. Supervision of Work								
Name of Person or Firm Doing Filling & Sealing	Licen	se #	Date of Filling & Sealing or Verification	Date Received	Noted By				
Direct Push Analytical Corp.			(mm/dd/yyyy) 04/21/2021						
Street or Route			Telephone Number	Comments					
4N969 Old LaFox Road, Unit E			(630) 377-7766						
City	State	ZIP Code	Signature of Person Deling Work		Date Signed				
St. Charles	IL	60175	Judia Annes	(TRC)	8/13/2021				

## Well / Drillhole / Borehole Filling & SealingForm 3300-5 (R 4/2015)Page 1 de

Page 1 of 2

		Route to DNR Bureau:							
□ Verification Only of	of Fill and S	eal		rinking Water		Watershe	ed/Wastewater 🛛 🕅 Re	emediation/	Redevelopment
				Vaste Manageme	nt 🗌	 ] Other			
1. Well Location Informat	ion	1		ruoto managomo	2. Facility/	Owner Ir	formation		
County WI	Unique Well # of	ŀ	licap #		Facility Name	••••••			
Rer	noved Well		-		RockGen I	Energy Cer	nter		
Dane	(SB-16)				Facility ID (FID	O or PWS)			
Lattitude / Longitude (see instru	ictions)	Format	nat Code   Method Code קס ג GPS008						
42.97547 ° N				SCR002	License/Permi	it/Monitoring	<b>j</b> #		
<u>-89.04929 ° W</u>	1				-				
<sup>1</sup> / <sub>4</sub> / <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> NW	Section	Τσ	wnship	Range K	Original Well (	Owner			
or Gov't Lot #	23	3	6	12 🗌 w					
Well Street Address	1				Present Well (	Owner			
2246 Clear View Bood					Dennis Oe	hring			
Well City Village or Town			Well 7IF	2 Code	Mailing Addres	ss of Preser	nt Owner		
Combridge			5352	3	2346 Clear	r View Ro	ad	-	1
Subdivision Name			 Lot #	5	City of Presen	t Owner		State	ZIP Code
			2011		Cambridge	e		WI	53523
Reason For Removal From Ser	vice WI Uniqu	ue Well #	of Replac	cement Well	4. Pump, Li	iner, Scree	en, Casing & Sealing Mat	erial	<u> </u>
Testing completed					Pump and	piping remo	ved?	Yes 🗌	No 📉 N/A
3. Filled & Sealed Well / D	Drillhole / Bore	hole Inf	ormatic	on	Liner(s) ren	noved?		Yes	No 📉 N/A
Original Construction Date (mm/dd/yyyy)			Liner(s) per	rforated?		Yes	No 📉 N/A		
	04/2	04/21/2021			Screen rem	noved?		Yes	
Water Well	16 - 1	Wall Construction Report in			Casing left	in place?		res	
Borehole / Drillhole	avai	ilable, please attach.			Was casing	g cut off belo	ow surface?	Yes	No 🔀 N/A
Construction Type:	1				Did sealing	material ris	e to surface?	Yes	No N/A
	Drivon (Sando	oint)	Г		Did materia	al settle after	r 24 hours?	Yes 🔄	No 📉 N/A
		onit)	L		If yes, wa	as hole reto	pped?	Yes	No 🔀 N/A
Other (Specify)					If bentonite chips were used, were they hydrated				
Formation Type:					with water from a known safe source Yes No N/A				
Unconsolidated Formation		Ве	drock		Required Method of Placing Sealing Material				
Total Wall Dopth From Cround	Surface (ft)	oning Dia	notor (in	)	Conduc	tor Pipe-Gra	avity 🗌 Condu	ctor Pipe-P	umped
		asing Diai	neter (in.	.)	Screene	ed & Poured	I Other (	Explain)	
					Sealing Materi	iale			
Lower Drillhole Diameter (in.)	Ca	asing Dep	th (ft.)						
2.0						ement (Cen		ncrete ntanita Chir	
Was well annular space grouter				Unknown	For Monitoring			ntornte Grij nlv:	5
If yes to what denth (feet)?	Denth	to Water	(feet)	Children		to Chine		ement Grou	ıt
	Dopui		(1001)		Granula	r Bentonite	Bentonite - S	and Slurry	
							No Yards Sacks Sea	lant	Mix Ratio
5. Material Used to Fill W	ell / Drillhole				From (ft.)	To (ft.)	or Volume (circle on	e) o	r Mud Weight
3/8" bentonite chips					Surface	4.3	0.09 cubic feet		
<b>`</b>									
6. Comments									

7. Supervision of Work		DNR Use Only				
Name of Person or Firm Doing Filling & Sealing	License #		Da	te of Filling & Sealing or Verification	Date Received	Noted By
Direct Push Analytical Corp.		(mm/dd/yyyy) 04/21				
Street or Route			Tel	lephone Number	Comments	
4N969 Old LaFox Road, Unit E			(	(630) 377-7766		
City	State	ZIP Code		Signat∦re of Person ₿oing Work		Date Signed
St. Charles	IL	60175		Judia Annes	(TRC)	8/13/2021
				-00-		

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	/Wastewate	er 🗌	Waste Management					
Remediati	on/Redevel	opment 🛛	Other					
Facility/Project Name		County		Well N	Name			
RockGen Energy Center			Dane		MW-01			
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Wel	l Number		
		13	VU63	30				
		•						
1. Can this well be purged dry?	🗆 Yes	s 🛛 No		Before	e Development	After D	evelopment	
			11. Depth to Water					
2. Well development method:			(from top of	a.	44.04 ft.		45.71 ft.	
surged with bailer and bailed	□ 4	1	well casing)					
surged with bailer and pumped	⊠ 6	1						
surged with block and bailed	□ 4	2	Date	b.	4/28/2021	5	/16/2021	
surged with block and pumped		2						
surged with block, bailed, and pumped	□ 7	0			🗆 a	ı.m.	⊠ a.m.	
compressed air	□ 2	0	Time	c.	12:30 ⊠ g	).m.	11:14 □ p.m.	
bailed only	□ 1	0						
pumped only	□ 5	1	12. Sediment in well		0.0 inches		0.0 inches	
pumped slowly	□ 5	0	bottom					
other		_	13. Water clarity	Clear		Clear 🛛	20	
				Turbid	⊠ 15	Turbid 🛛	2 5	
3. Time spent developing well		120 min.		(Descri	be)	(Describe)		
				light	brown			
4. Depth of well (from top of well casing)	52	02 ft.						
5. Inside diameter of well	2	2.05 in.						
6. Volume of water in filter pack and well		4.21						
casing		<b>4.</b> 2 gal.	<b>E 1 1 1 1 1 1 1 1 1 1</b>				•••	
	_		Fill in if drilling fluids	s were used	d and well is at sol	id waste faci	ility:	
7. Volume of water removed from well	5	5.0 gal.						
			14. Total suspended		mg/l		mg/l	
8. Volume of water added (if any)		gal.	solids					
9. Source of water added			15. COD		mg/l		mg/l	
			16. Well developed by:	: Person's	Name and Firm			
10. Analysis performed on water added?	□ Yes	No 🗆	T	1100-				
(If yes, attach results)				uner				
			TRC					

17. Additional comments on development:

Well developed by repeatedly bailing dry (42 gal total removed) then pumping with periodic surging (~13 gal total removed). Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Address or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my
Name: Dennis Oehring	knowledge.
Firm: RockGen Energy Center, LLC	Signature: Annus
Street: 2346 Clear View Road	Print Name: Lydia Auner
City/State/Zip: Cambridge, WI 53523	Firm: TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	Wastewat	er 🗌	Waste Management					
Remediation	n/Redevel	opment 🖂	Other					
Facility/Project Name		County		Well Name				
RockGen Energy Center			Dane	MW-02				
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Well 1	Number		
		13	VU63	31				
		1						
1. Can this well be purged dry?	🛛 Ye	s 🗆 No		Before Deve	elopment	After Develo	pment	
			11. Depth to Water					
2. Well development method:			(from top of	a.	56.13 ft.		ft.	
surged with bailer and bailed	□ 4	1	well casing)					
surged with bailer and pumped		1						
surged with block and bailed	□ 4	2	Date	b. 5/6	/2021			
surged with block and pumped		2						
surged with block, bailed, and pumped	□ 7	0			🗆 a.ı	m.	⊠ a.m.	
compressed air	□ 2	0	Time	c.	12:20 🛛 р.1	m.	□ p.m.	
bailed only	⊠ 1	0						
pumped only	□ 5	1	12. Sediment in well	16.	0 inches	0.0	inches	
pumped slowly	□ 5	0	bottom					
other		_	13. Water clarity	Clear 🗆 1	0	Clear 🛛 20		
				Turbid 🛛 1	5	Turbid 🛛 25		
3. Time spent developing well	145 min.			(Describe)	(	(Describe)		
				brown		light brown		
4. Depth of well (from top of well casing)	60	0.13 ft.						
5. Inside diameter of well	2	2.05 in.						
6. Volume of water in filter pack and well								
casing		4.4 gal.						
			Fill in if drilling fluids	s were used and v	vell is at solid	waste facility:		
7 Volume of water removed from well	1	8.5 ml				,		
7. Volume of water removed from wen	1	0.0 gai.	14. Total suspended		mg/l		mg/l	
8 Volume of water added (if any)		aal	solids		8		8	
8. Volume of water added (if any)		gai.						
9 Source of water added			15. COD		mg/l		mg/l	
			16. Well developed by	: Person's Name	and Firm			
10. Analysis performed on water added?	□ Yes	s 🗆 No	Stave S	allwood and I	vdia Am	- <b>*</b>		
(If yes, attach results)			Sieve S		Lyuia Auno	-1		
			TRC					

17. Additional comments on development:

Well developed by repeatedly bailing dry over the span of multiple days. Time spent developing was estimated based on the number of times well was bailed dry. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Ac	ldress or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my
Name:	Dennis Oehring	knowledge.
Firm:	RockGen Energy Center, LLC	Signature: Jydia Annu
Street:	2346 Clear View Road	Print Name: Lydia Auner
City/State/	Zip: Cambridge, WI 53523	Firm: TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	Wastewat	er 🗌	Waste Management					
Remediatio	n/Redevel	opment 🛛	Other					
Facility/Project Name		County		Well N	Name			
RockGen Energy Center		-	Dane		Μ	W-03		
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR We	ll Number		
		13	VU63	32				
		1			4			
1. Can this well be purged dry?	🗆 Ye	s 🖾 No		Before	e Developmen	t After	Develo	opment
			11. Depth to Water					
2. Well development method:			(from top of	a.	57.47 ft.		5	7.98 ft.
surged with bailer and bailed	□ 4	1	well casing)					
surged with bailer and pumped	⊠ 6	1						
surged with block and bailed	□ 4	2	Date	b.	5/6/2021		5/10/2	2021
surged with block and pumped		2						
surged with block, bailed, and pumped	□ 7	0				a.m.		🗌 a.m.
compressed air	□ 2	0	Time	c.	01:30 🖂	p.m.	0	3:15 ⊠ p.m.
bailed only	□ 1	0						
pumped only	□ 5	1	12. Sediment in well		0.1 inches		0.0	) inches
pumped slowly	□ 5	0	bottom					
other	. 🗆 🗆	_	13. Water clarity	Clear		Clear	⊠ 20	
				Turbid	⊠ 15	Turbid	□ 25	
3. Time spent developing well		120 min.		(Descri	be)	(Describ	ve)	
4. Depth of well (from top of well casing)	67	7.11 ft.						
5. Inside diameter of well	2	2.05 in.						
6. Volume of water in filter pack and well casing		5.4 gal.						
			Fill in if drilling fluids	were used	d and well is at so	lid waste f	facility:	
7. Volume of water removed from well	5	5.0 gal.						
		U	14. Total suspended		mg/l			mg/l
8. Volume of water added (if any)		gal.	solids					
9. Source of water added			15. COD		mg/l			mg/l
			16. Well developed by:	: Person's	Name and Firm			
10. Analysis performed on water added?	□ Yes	5 🗆 No	Steve S	ellwood				
(11 yes, attach results)			TRC					

17. Additional comments on development:

Well developing by bailing (15 gal removed), then pumping with periodic surging (another 40 gal removed over 63 min). Total time spent developing estimated based on time spent pumping and volume bailed. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility A	ldress or Owner/Responsible Party Address	I hereby certi	fy that the above information is true and correct to the best of my
Name:	Dennis Oehring	knowledge.	
Firm:	RockGen Energy Center, LLC	Signature:	Alph Selling
Street:	2346 Clear View Road	Print Name:	Steve Sellwood
City/State/	Zip: Cambridge, WI 53523	Firm:	TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed/	Wastewat	er 🗌	Waste Management				
Remediation	n/Redevel	opment 🛛	Other				
Facility/Project Name		County		Well N	lame		
RockGen Energy Center		-	Dane		M	W-04	
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Wel	l Number	
		13	VU63	33			
1. Can this well be purged dry?	□ Ye	s 🛛 No		Before	Development	After D	evelopment
			11. Depth to Water		*		
2. Well development method:			(from top of	a.	58.26 ft.		58.37 ft.
surged with bailer and bailed	□ 4	1	well casing)				
surged with bailer and pumped	⊠ 6	1					
surged with block and bailed	□ 4	2	Date	b.	5/16/2021	5	/13/2021
surged with block and pumped		2					
surged with block, bailed, and pumped	□ 7	0				a.m.	□ a.m.
compressed air	□ 2	0	Time	c.	12:25 🖂 🛛	o.m.	05:25 ⊠ p.m.
bailed only		0					
pumped only	□ 5	1	12. Sediment in well		5.3 inches		0.0 inches
pumped slowly	□ 5	0	bottom				
other			13. Water clarity	Clear		Clear 🛛	20
				Turbid	⊠ 15	Turbid 🛛	2 5
3. Time spent developing well		185 min.		(Describ	be)	(Describe)	
or rand spens developing wen				brow	'n		
4. Depth of well (from top of well casing)	67	′.14 ft.					
5. Inside diameter of well	2	2.05 in.					
6. Volume of water in filter pack and well		5.0 1					
casing		5.0 gal.					
			Fill in if drilling fluids	s were used	l and well is at sol	id waste faci	ility:
7. Volume of water removed from well	11	0.0 gal.					
			14. Total suspended		mg/l		mg/l
8. Volume of water added (if any)		gal.	solids				
9. Source of water added			15. COD		mg/l		mg/l
					NI 15.		
10 Analysis nonformed on water edde 12			16. Well developed by	: Person's	name and Firm		
(If yes, attach results)		5 🗋 INO	Lydia A	Auner			
· · · /			TRC				

17. Additional comments on development:

Well development was completed before final stickup height was established. Depth to water and depth to bottom measurements have been adjusted to account for additional 2 ft of stickup height added after well development was completed. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Ac	ddress or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my
Name:	Dennis Oehring	knowledge.
Firm:	RockGen Energy Center, LLC	Signature: Jydia Annu
Street:	2346 Clear View Road	Print Name: Lydia Auner
City/State/	Zip: Cambridge, WI 53523	Firm: TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	Wastewat	er 🗌	Waste Management			
Remediation	n/Redevel	opment 🛛	Other			
Facility/Project Name		County		Well N	lame	
RockGen Energy Center		Dane			M	W-05
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Wel	l Number
		13	VU63	34		
		4			•	
1. Can this well be purged dry?	🛛 Ye	s 🗆 No		Before	Development	After Development
			11. Depth to Water			
2. Well development method:			(from top of	a.	60.54 ft.	70.00 ft.
surged with bailer and bailed	□ 4	1	well casing)			
surged with bailer and pumped		1				
surged with block and bailed	□ 4	2	Date	b.	5/10/2021	5/17/2021
surged with block and pumped	□ 6	2				
surged with block, bailed, and pumped	□ 7	0			🗆 a	u.m. 🗌 a.m.
compressed air	□ 2	0	Time	c.	03:25 ⊠ p	o.m. 05:33 ⊠ p.m.
bailed only	⊠ 1	0				
pumped only	□ 5	1	12. Sediment in well		3.1 inches	0.0 inches
pumped slowly	□ 5	0	bottom			
other	. 🗆 🗌		13. Water clarity	Clear	$\Box$ 10	Clear 🛛 20
				Turbid	⊠ 15	Turbid 🛛 25
3. Time spent developing well		200 min.		(Describ	be)	(Describe)
1 10				brow	'n	light brown
4. Depth of well (from top of well casing)	71	.06 ft.				
5. Inside diameter of well	2	2.05 in.				
6. Volume of water in filter pack and well						
casing		5.6 gal.				
			Fill in if drilling fluids	s were used	l and well is at sol	id waste facility:
7. Volume of water removed from well	4	0.0 gal	_			
		oro gan	14. Total suspended		mg/l	mg/l
8. Volume of water added (if any)		gal.	solids		C C	
9 Source of water added			15. COD		mg/l	mg/l
			16. Well developed by	: Person's	Name and Firm	
10. Analysis performed on water added?	□ Yes	s 🗆 No	Steve S	ellwood	and Lydia Am	ner
(If yes, attach results)					una Lyuna Mu	
			IKC			

17. Additional comments on development:

Well developed by repeatedly bailing dry (at least 12 times). Total time spent developing was estimated. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Add	tress or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my
Name: _]	Dennis Oehring	knowledge.
Firm:	RockGen Energy Center, LLC	Signature: Jydia Annes
Street:	2346 Clear View Road	Print Name: Lydia Auner
City/State/Z	ip: Cambridge, WI 53523	Firm: TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	l/Wastewat	er 🗌	Waste Management				
Remediati	on/Redevel	opment 🖂	Other				
Facility/Project Name		County		Well N	Name		
RockGen Energy Center			Dane MW-06				
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	Imber DNR Well Number			
		13	VU63	35			
		1					
1. Can this well be purged dry?	🛛 Ye	s 🗆 No		Before	e Development	After Do	evelopment
			11. Depth to Water				
2. Well development method:			(from top of	a.	57.34 ft.		65.93 ft.
surged with bailer and bailed	□ 4	1	well casing)				
surged with bailer and pumped		1					
surged with block and bailed	□ 4	2	Date	b.	5/13/2021	5/	/17/2021
surged with block and pumped		2					
surged with block, bailed, and pumped	□ 7	0				a.m.	□ a.m.
compressed air	□ 2	0	Time	c.	04:21 🖂	p.m.	05:06 ⊠ p.m.
bailed only	⊠ 1	0					
pumped only	□ 5	1	12. Sediment in well		0.7 inches		0.0 inches
pumped slowly	□ 5	0	bottom				
other	_ 🗆 🗆		13. Water clarity	Clear		Clear 🛛	20
				Turbid	⊠ 15	Turbid 🛛	2 5
3. Time spent developing well		106 min.		(Descri	be)	(Describe)	
				medi	ium brown	very lig	ht brown,
4. Depth of well (from top of well casing)	67	7.36 ft.				low turk	oidity
5. Inside diameter of well	2	2.05 in.					
6. Volume of water in filter pack and well							
casing		5.4 gal.					
			Fill in if drilling fluids	s were used	d and well is at sol	id waste faci	lity:
7. Volume of water removed from well	2	29.5 gal.					
		C	14. Total suspended		mg/l		mg/l
8. Volume of water added (if any)		gal.	solids				
· · ·		0					
9. Source of water added			15. COD		mg/l		mg/l
			16. Well developed by:	: Person's	Name and Firm		
10. Analysis performed on water added?	□ Yes	s 🗆 No	Lydia A	uner			
(II yes, attach results)							

17. Additional comments on development:

Well developed by bailing dry 8 times over the course of several days, each time removing 3-4.5 gallons. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Ac	ddress or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my
Name:	Dennis Oehring	knowledge.
Firm:	RockGen Energy Center, LLC	Signature: Jydia Anna
Street:	2346 Clear View Road	Print Name: Lydia Auner
City/State/	Zip: Cambridge, WI 53523	Firm: TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	/Wastewate	er 🗆	Waste Management				
Remediation	on/Redevel	opment 🖂	Other				
Facility/Project Name		County		Well Name			
RockGen Energy Center			Dane				
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nur	mber	DNR Well	Number	
		13	VU63	6			
		ļ -		-			
1. Can this well be purged dry?	□ Yes	s 🛛 No		Before Dev	velopment	After De	velopment
			11. Depth to Water				
2. Well development method:			(from top of	a.	49.72 ft.		58.29 ft.
surged with bailer and bailed	□ 4	1	well casing)				
surged with bailer and pumped	⊠ 6	1					
surged with block and bailed	□ 4	2	Date	b. 5/14	1/2021	5/	17/2021
surged with block and pumped		2					
surged with block, bailed, and pumped	□ 7	0			⊠ a.	.m.	□ a.m.
compressed air	□ 2	0	Time	c.	09:05 □ p	.m.	02:02 ⊠ p.m.
bailed only	□ 1	0					
pumped only	□ 5	1	12. Sediment in well	4	.6 inches		0.0 inches
pumped slowly	□ 5	0	bottom				
other			13. Water clarity	Clear 🛛	10	Clear 🛛	20
				Turbid 🛛	15	Turbid 🛛	2 5
3. Time spent developing well		133 min.		(Describe)		(Describe)	
				medium l	orown		
4. Depth of well (from top of well casing)	65	.93 ft.					
1 (1 3)							
5. Inside diameter of well	2	2.05 in.					
6. Volume of water in filter pack and well							
casing	1	0.2 gal.					
			Fill in if drilling fluids	were used and	well is at soli	d waste facil	ity:
7 Volume of water removed from well	5	5 0 ml	6				5
7. Volume of water removed from wen	-	<b>5.0</b> gai.	14. Total suspended		mø/l		mø/l
8 Volume of water added (if any)		cal	solids		8		8
8. Volume of water added (if any)		gai.					
9 Source of water added			15. COD		mg/l		mg/l
			16. Well developed by:	Person's Name	e and Firm		
10. Analysis performed on water added?	□ Yes	No	т 1' л				
(If yes, attach results)			Lydia A	luner			
· -			TRC				

17. Additional comments on development:

Well developed by bailing dry several times (approximately 44 gal removed by bailing), then pumping with periodic surging. The depth to water measurement from before development is assumed to be higher than the actual static water level, possibly related to the well having been very recently installed. Well bottom depth based on depth to bottom measured after well development, assuming no sediment present after development.

Facility Address or Owner/Responsible	e Party Address	I hereby certif	fy that the above information is true and correct to the best of my
Name: Dennis Oehring		knowledge.	
Firm: RockGen Energy Cer	nter, LLC	Signature:	Judia Annes
Street: 2346 Clear View Roa	ıd	Print Name:	Lydia Auner
City/State/Zip: Cambridge, W	I 53523	Firm:	TRC Environmental Corporation

MONITORING WELL DEVELOPMENT Rev. 7-98

Form 4400-113B

Route To: Watershed	/Wastewat	er 🗌	Waste Management			
Remediati	on/Redevel	opment 🛛	Other			
Facility/Project Name		County		Well Na	me	
RockGen Energy Center			Dane		P	Z-01
Facility License, Permit or Monitoring Number		County Code	Wis. Unique Well Nu	mber	DNR Wel	l Number
-		13	VU6	37		
		1 -				
1. Can this well be purged dry?	□ Ye	s 🖾 No		Before I	Development	After Development
			11. Depth to Water			
2. Well development method:			(from top of	a.	100.52 ft.	102.46 ft.
surged with bailer and bailed	□ 4	1	well casing)			
surged with bailer and pumped		1				
surged with block and bailed	□ 4	2	Date	b. 6	5/22/2021	6/22/2021
surged with block and pumped	$\Box$ 6	2				
surged with block, bailed, and pumped	□ 7	0				a.m. 🗌 a.m.
compressed air	□ 2	0	Time	c.	12:00 🛛 I	p.m. 05:00 ⊠ p.m.
bailed only	□ 1	0				
pumped only	⊠ 5	1	12. Sediment in well		inches	inches
pumped slowly	□ 5	0	bottom			
other			13. Water clarity	Clear [	] 10	Clear 🛛 20
				Turbid 🛛	⊠ 15	Turbid 🛛 25
3. Time spent developing well		300 min.		(Describe)	)	(Describe)
				brown		reddish brown
4. Depth of well (from top of well casing)	30	02.4 ft.				
5. Inside diameter of well	1	.91 in.				
6 Volume of water in filter peak and wall						
casing	37	7.00 gal				
		loo gaa	Fill in if drilling fluid	s were used a	and well is at sol	id waste facility:
	20			s were used a	ind wen is at soi	iu wasie facility.
7. Volume of water removed from well	30	00.0 gal.	14 Total sugmanded		ma/1	ma/1
			solids		ing/i	iiig/1
8. Volume of water added (if any)		gal.	501105			
9. Source of water added			15. COD		mg/l	mg/l
			16. Well developed by	r: Person's N	ame and Firm	
10. Analysis performed on water added?	🗆 Yes	s 🗆 No	Wesley	Braga		
(If yes, attach results)				Diaga		
			IKC			

17. Additional comments on development:

Well developed using inertial pump (ran out of drum storage at 300 gallons). Total well depth measured at 300 ft bgs (~302.4 ft bloc) during well construction. Depth to bottom could not be measured during development with approved 300' water level tape on hand.

Facility Address or Owner/Responsible Party Address		I hereby certi	ify that the above information is true and correct to the best of my
Name:	Dennis Oehring	knowledge.	
Firm: _	RockGen Energy Center, LLC	Signature:	Weley Burn
Street: _	2346 Clear View Road	Print Name:	Wesley Braga
City/State/Z	Cambridge, WI 53523	Firm:	TRC Environmental Corporation
State of Wisconsin Department of Natural Resources MONITORING WELL CONSTRUCTION Watershed/Wastewater Waste Management Route To: Form 4400-113A Rev. 7-98 Remediation/Redevelopment Other Facility/Project Name Local Grid Location of Well Well Name □ N. □ S. ft. **MW-01** ft. RockGen Energy Center Facility License, Permit or Monitoring No. (estimated: Wis. Unique Well No. DNR Well Number Local Grid Origin ) or Well Location  $\boxtimes$ 59.6"<sub>\_ or</sub> <u>37.9"</u> Long. <u>89°</u> 2'\_\_\_ 42° 58' VU630 Facility ID Date Well Installed 2,222,754 357,606 (S)/C/Nft. E. St. Plane \_\_\_\_ ft. N. 04/23/2021 Section Location of Waste/Source Type of Well  $\square E$  $\square W$ Well Installed By: (Person's Name and Firm) <u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>23</u>, T. \_ 6 12 N. R. Well Code 11/mw Travis Whittaker Location of Well Relative to Waste/Source Gov. Lot Number Distance from Waste/ Enf. Stds. u 🗆 Upgradient s 🗆 Sidegradient Source Apply Cascade ft d 🗆 Downgradient n 🛛 Not Known 930.81 ft. MSL 1. Cap and lock? 🛛 Yes 🗆 No A. Protective pipe, top elevation 2. Protective cover pipe: 930.73 ft. MSL B. Well casing, top elevation 3.8 in a. Inside diameter: 7.0 928.28\_ ft. MSL b. Length: C. Land surface elevation c. Material: ⊠ 04 Steel 924.3 ft. MSL or 4.0 ft. D. Surface seal, bottom Other 🛛 Yes 🗆 No d. Additional protection? 12. USCS classification of soil near screen: bollards GC □  $GM \square$ GW□ If yes, describe: \_\_\_\_  $GP \square$  $SW \square$ SP  $\square$ SM 🗆 ML 🗆 MH□ CL 🗆 SC 🗆 CH 🗆 Bentonite 🛛 30 3. Surface seal: Bedrock 🖾 Concrete 🛛 01 13. Sieve analysis attached? □ Yes ⊠ No Other Rotary 🗆 5 0 4. Material between well casing and protective pipe: 14. Drilling method used: Hollow Stem Auger 4 1 Bentonite 30 Coarse sand Rotosonic Other 🛛 Other 5. Annular space seal: a. Granular/Chipped Bentonite 🛛 3 3 15. Drilling fluid used: Water ⊠ 0 2 Air 🗆 0 1 b. \_\_\_\_\_Lbs/gal mud weight . . . Bentonite-sand slurry 🔲 3 5 Drilling Mud  $\Box 0.3$  None  $\Box 9.9$ \_\_\_Lbs/gal mud weight . . . Bentonite slurry 

31 \_\_% Bentonite . . . Bentonite-cement grout  $\Box$  50 🛛 Yes 🗆 No 16. Drilling additives used? 8.4 \_Ft<sup>3</sup> volume added for any of the above e f How installed: Tremie 🛛 01 Baroid QUIK-GEL Describe Tremie pumped 02 17. Source of water (attach analysis, if required): Gravity 🛛 08 Site demineralized water tank 6. Bentonite seal: a. Bentonite granules 
a 3 3 b.  $\Box 1/4$  in.  $\Box 3/8$  in.  $\Box 1/2$  in. Bentonite chips  $\Box 32$ C. Other  $\square$ E. Bentonite seal, top \_\_\_\_ft. MSL or \_\_\_\_ \_ ft. 7. Fine sand material: Manufacturer, product name & mesh size <u>899.2</u> ft. MSL or <u>29.1</u> ft. \ Red Flint #7 F. Fine sand, top 0.5  $ft^3$ b. Volume added <u>896.0</u> ft. MSL or <u>32.3</u> ft. > 8. Filter pack material: Manufacturer, product name & mesh size G. Filter pack, top Red Flint #40 34.6\_ ft. ~ 893.7 ft. MSL or \_\_\_\_\_ 4.4  $ft^3$ H. Screen joint, top b. Volume added 9. Well casing: Flush threaded PVC schedule 40  $\boxtimes$  2.3 49.6 ft. \ 878.7 ft. MSL or \_\_\_\_ Flush threaded PVC schedule 80 
24 I. Well bottom Other 🛛 878.3 ft. MSL or \_\_\_\_ 50.0 ft. ~ PVC J. Filter pack, bottom 10. Screen material: a. Screen Type: Factory cut 🛛 11 50.0\_ ft. \ 8<u>78.3</u> ft. MSL or \_\_\_\_ K. Borehole, bottom Continuous slot 

01 Other 🛛 8.0 Hole Products b. Manufacturer L. Borehole, diameter in. 0.01<u>0</u> in. c. Slot size: 15.0 ft. 2.38 d. Slotted length: M. O.D. well casing in. None 🛛 14 11. Backfill material (below filter pack): 2.05 Other 🛛 N. I.D. well casing in. I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717

Tel: 608.826.3600 Fax: 608.826.3941

State of Wisconsin Department of Natural Resources MONITORING WELL CONSTRUCTION Route To: Watershed/Wastewater Waste Management Form 4400-113A Rev. 7-98 Remediation/Redevelopment Other Facility/Project Name Local Grid Location of Well Well Name □ N. □ S. ft. **MW-02** ft. RockGen Energy Center Facility License, Permit or Monitoring No. (estimated: Wis. Unique Well No. DNR Well Number Local Grid Origin ) or Well Location  $\boxtimes$ 59.1"\_ or <u>32.1"</u> Long. <u>89°</u> 2'\_\_\_ 42° 58' VU631 Facility ID Date Well Installed 2,222,798 357,021 (S)/C/Nft. E. St. Plane \_\_\_\_ ft. N. 05/03/2021 Section Location of Waste/Source Type of Well  $\square E$  $\square W$ Well Installed By: (Person's Name and Firm) <u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>23</u>, T. \_ 6 12 N. R. Well Code 11/mw Travis Whittaker Location of Well Relative to Waste/Source Gov. Lot Number Distance from Waste/ Enf. Stds. u 🗆 Upgradient s 🗆 Sidegradient Apply Source Cascade ft  $\boxtimes$ d 🗆 Downgradient n 🛛 Not Known 941.58 ft. MSL 1. Cap and lock? 🛛 Yes 🗆 No A. Protective pipe, top elevation 2. Protective cover pipe: 941.55 ft. MSL B. Well casing, top elevation 3.8 in. a. Inside diameter: 7.0 938.88 ft. MSL b. Length: C. Land surface elevation c. Material: ⊠ 04 Steel 934.9 ft. MSL or 4.0 ft. D. Surface seal, bottom Other 🛛 Yes 🗆 No d. Additional protection? 12. USCS classification of soil near screen: bollards GC □  $GM \square$ GW□ If yes, describe: \_\_\_\_ GP □  $SW \square$ SP  $\square$ SM 🗆 ML 🗆 MH□ CL 🗆 SC 🗆 CH 🗆 Bentonite 🛛 30 3. Surface seal: Bedrock 🖾 Concrete 🛛 01 13. Sieve analysis attached? □ Yes ⊠ No Other Rotary 🗆 5 0 4. Material between well casing and protective pipe: 14. Drilling method used: Hollow Stem Auger 4 1 Bentonite 30 Coarse sand Rotosonic Other 🛛 Other 5. Annular space seal: a. Granular/Chipped Bentonite 🛛 3 3 15. Drilling fluid used: Water ⊠ 0 2 Air 🗆 0 1 b. \_\_\_\_\_Lbs/gal mud weight . . . Bentonite-sand slurry 🔲 3 5 Drilling Mud  $\Box 0.3$  None  $\Box 9.9$ \_\_\_Lbs/gal mud weight . . . Bentonite slurry 

31 \_% Bentonite . . . Bentonite-cement grout  $\Box$  50 🛛 Yes 🗆 No 16. Drilling additives used? 8 \_Ft<sup>3</sup> volume added for any of the above e f How installed: Tremie 🛛 01 Baroid QUIK-GEL Describe Tremie pumped 02 17. Source of water (attach analysis, if required): Gravity 🛛 08 Site demineralized water tank 6. Bentonite seal: a. Bentonite granules 
a 3 3 b.  $\Box 1/4$  in.  $\Box 3/8$  in.  $\Box 1/2$  in. Bentonite chips  $\Box 32$ C. Other  $\square$ E. Bentonite seal, top \_\_\_ ft. MSL or \_\_\_ \_ ft. 7. Fine sand material: Manufacturer, product name & mesh size 894.6 ft. MSL or \_\_\_\_ 44.<u>3</u> ft. Red Flint #7 F. Fine sand, top 0.63  $ft^3$ b. Volume added 46.3 ft. 892.6 ft. MSL or \_\_\_\_ 8. Filter pack material: Manufacturer, product name & mesh size G. Filter pack, top Red Flint #40 47.5\_ ft. ~ 891.4 ft. MSL or \_\_\_\_\_ 3  $ft^3$ H. Screen joint, top b. Volume added 9. Well casing: Flush threaded PVC schedule 40  $\boxtimes$  2.3 <u>57.5</u> ft. \ 881.4 ft. MSL or \_\_\_\_ Flush threaded PVC schedule 80 
24 I. Well bottom Other 🛛 <u>879.6</u> ft. MSL or <u>59.3</u> ft. ~ PVC J. Filter pack, bottom 10. Screen material: a. Screen Type: Factory cut 🛛 11 60.0\_ ft. \ 878.9 ft. MSL or \_\_\_\_\_ K. Borehole, bottom Continuous slot 

01 Other 🛛 8.0 Hole Products b. Manufacturer L. Borehole, diameter in. 0.01<u>0</u> in. c. Slot size: 10.0 ft. 2.38 d. Slotted length: M. O.D. well casing in. None 🗆 14 11. Backfill material (below filter pack): formation collapse 2.05 Other 🛛 N. I.D. well casing in.

 I hereby certify that the information on this form is true and correct to the best of my knowledge.

 Signature
 Firm

 TRC Environmental Corp.
 Tel: 608.826.3600

 708 Heartland Trail, Suite 3000 Madison, WI 53717
 Fax: 608.826.3941

 Please complete Joh Forms 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289,

State of Wisconsin Department of Natural Resources				MONITODING WELL		
Route To:	Watershed/Wastewate Remediation/Redevelo	r ∐ Wa noment ⊠ Ot	aste Management	Form 4400-113A	L CONSTRU Rev. 7-9	SCHON
Facility/Project Name	Local Grid Location of	Well		Well Name		
RockGen Energy Center	ft. 🗖	N. S	$\{ft.} \square \stackrel{E.}{\square} W$	MW	/-03	
Facility License, Permit or Monitoring No.	Local Grid Origin	(estimated:	) or Well Location	Wis. Unique Well No.	DNR Well N	lumber
	Lat. <u>42°</u> <u>58'</u>	<u>30.6"</u> Long	<u>89°</u> <u>2'</u> <u>52.4"</u> o	r VU632		
Facility ID	St. Plane 356,876	ft. N	23,299 ft. E. (S)/C/N	Date Well Installed		
	Section Location of Was	ste/Source		05/04	/2021	
Type of Well	NW 1/4 of NW 1/4	4 of Sec. 23 . 7	$\Gamma$ 6 N.R. 12 $\square$	E  Well Installed By: (Per	son's Name a	nd Firm)
Well Code 11/mw	Location of Well Relativ	e to Waste/Source	e Gov. Lot Number	Travis V	/hittaker	
Source Apply	u 🗆 Upgradient	s 🗆 Sidegra	dient	Casi	cade	
	$d \square$ Downgradient	n 🖾 Not Kn	own	Cas	Vec	
A. Protective pipe, top elevation	2.09 ft. MSL		2. Protective cover	nine:		
B. Well casing, top elevation94	2.03 ft. MSL		a. Inside diamet	er:	_	3.8 in.
C. Land surface elevation 93	9.53 ft. MSL		b. Length:		_	7.0 ft.
	40 - <b>TURY</b>		c. Material:		Steel	⊠ 04
D. Surface seal, bottom ft. MSL	or <u>4.0</u> ft.		(10		Other	
12. USCS classification of soil near screen:			d. Additional pro	otection?	🛛 Yes	/ 🗆 No
$\begin{array}{c c} GP \Box & GM \Box & GC \Box & GW \Box & SV \\ SM \Box & SC \Box & MU \Box & MU \Box & SU \\ \end{array}$			If yes, describ	be: bollards		_
Bedrock ⊠ ML ⊥ MH ⊥ CI			3. Surface seal:		Bentonite	$\square$ 30
13 Sieve analysis attached?	es 🕅 No				Concrete	
14 Drilling method yead:			A Material between	n well assing and protectiv	Other	
Hollow Stem Auge	$y \square 50$		4. Material betwee	in went easing and protectiv	Bentonite	$\square 30$
Rotosonic Othe				Coarse sand	Other	
			5 Annular space s	eal: a Granular/Chinn	ed Bentonite	⊠ 33
15. Drilling fluid used: Water ⊠ 0 2 A	ir 🗆 0 1		b. Lbs/gal	mud weight Bentonite	e-sand slurry	$\square 35$
Drilling Mud 🛛 0 3 Non	e □99		cLbs/gal	mud weight Ber	itonite slurry	$\square$ 31
			d% Bente	onite Bentonite-	cement grout	□ 50
16. Drilling additives used?	s 🖾 No		e. <u>6</u> F	t <sup>3</sup> volume added for any of	the above	
Describe			f. How installe	d:	Tremie	
17. Source of water (attach analysis, if required	l):			Tre	mie pumped	$\square$ 02
	,				Gravity	
Site demineralized water tank	<u> </u>		6. Bentonite seal:	a. Bento: $2/2$ in $\Box 1/2$ in $D_{2}$	nite granules	
	Α		b. ∐ 1/4 m. L	13/8 in. $1/2$ in. Be	Atonite chips Other	
E. Bentonite seal, top It. MSL	or II.		7. Fine sand mater	ial: Manufacturer, produc	t name & me	sh size
F. Fine sand, top 894.4 ft. MSL	or 45.1 ft	< 🕅 🕅 /	a.	Red Flint #7		
			b. Volume adde	d ft	3	
G. Filter pack, top892.4 ft. MSL	or <u>47.1</u> ft.		8. Filter pack mate	rial: Manufacturer, produ	ct name & me	esh size
			a	Red Flint #40		
H. Screen joint, top889.9 ft. MSL	or <u>49.6</u> ft. <u></u>		b. Volume adde	d ft	3	
074.0			9. Well casing:	Flush threaded PVC	schedule 40	⊠ 23
I. Well bottom $\frac{874.9}{\text{ft. MSL}}$ ft. MSL $\frac{1}{2}$	or <u>64.6</u> ft.			Flush threaded PVC	schedule 80	
874.5	65.0			DVC	Other	
J. Filter pack, bottom $\frac{874.3}{1000}$ ft. MSL	or $63.0$ ft.		10. Screen material:	PVC		
K Develote bettern 874.5 A MSL	650 e		a. Screen Type:	C.	Factory cut	
K. Borenole, bottom $\underline{\qquad 071.0}$ ft. MSL (	or <u>03.0</u> n.			Col	Attinuous slot	
L Borehole diameter 6.0 in			b. Manufacture	r Hole Products		L
		$\backslash$	c. Slot size:			0.010 in.
M. O.D. well casing $2.38$ in.			d. Slotted lengtl	1:	_	<u>15.0</u> ft.
-			11. Backfill materia	l (below filter pack):	None	⊠ 14
N. I.D. well casing $2.05$ in.					Other	

# I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature Firm TRC Environmental Corp. Tel: 608.826.3600 You Heartland Trail, Suite 3000 Madison, WI 53717 Fax: 608.826.3941

State of Wisconsin Department of Natural Resources Route 7	o: Watershed/Wastewater 🗌 Waste Management 🗌	MONITORING WELL CONSTRUCTION
	Remediation/Redevelopment $\square$ Other $\square$	Form 4400-113A Rev. 7-98
Facility/Project Name	Local Grid Location of Well	Well Name
RockGen Energy Center	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	MW-04
Facility License, Permit or Monitoring No.	Local Grid Origin 🔲 (estimated: 🗌 ) or Well Location 🛛	Wis. Unique Well No. DNR Well Number
	Lat. $42^{\circ}$ 58' 32.1" Long. $89^{\circ}$ 2' 57.4" or	VU633
Facility ID	St. Plane <u>357,021</u> ft. N, <u>2,222,923</u> ft. E. $(S)/C/N$	Date Well Installed
	Section Location of Waste/Source	05/06/2021
Type of Well		Well Installed By: (Person's Name and Firm)
Well Code 11/mw	I/4 of I/4 of Sec, T N, R V Location of Well Relative to Waste/Source Gov. Lot Number	Travis Whittaker
Distance from Waste/ Enf. Stds.	$u \square Upgradient$ s $\square$ Sidegradient	

RockGen Energy Center		ft. □ N.	ft.	$\square$ E.	MW-04		
Facility License, Permit or Monitoring No.	Local Grid Or	igin 🔲 (estima	ted: 🗌 ) or V	Well Location	Wis. Unique Well No. DNR We	ll Nur	nber
	Lat. <u>42°</u>	58' 32.1"	Long. <u>89°</u>	<u>2'</u> <u>57.4"</u> or	VU633		
Facility ID	St. Plane	357,021 ft. N,	2,222,923	ft. E. $(S)/C/N$	Date Well Installed		
	Section Locati	on of Waste/Source	e	0	05/06/2021		
Type of Well	NW 1/4 of	NW 1/4 of Sec	23 т б	NR $12 \square W$	Well Installed By: (Person's Nar	ne and	Firm)
Well Code 11/mw	Location of W	ell Relative to Wa	ste/Source	Gov. Lot Number	Travis Whittaker		
Distance from Waste/ Enf. Stds.	u 🗆 Upgra	dient s 🗆	] Sidegradient				
ft. Appry	d 🗆 Down	gradient n 🗵	Not Known		Cascade		
A. Protective pipe, top elevation94	<u>-3.40</u> ft. MSL			1. Cap and lock?	$\boxtimes$	Yes [	] No
B. Well casing, top elevation 94	3.25 ft. MSL			2. Protective cover pi	pe:		38 :
	0.77			a. Inside diameter:			7.0 ft
C. Land surface elevation	<u></u> ft. MSL	0.00	000	c. Material	S	teel D	<u></u> n. ₹ 04
D. Surface seal, bottom936.8 ft. MSL	or <u>4.0</u> f	t.	1.2.2.2	e. Material.	Ot	her [	יס <b>ג</b> ר
12. USCS classification of soil near screen:			26.26.26.21 	d. Additional prote	ection?	Yes [	] No
GP GM GC GW SV	V 🗆 SP 🗆		$ X \setminus$	If yes, describe:	bollards		
SM SC ML MH CI	СП СН 🗆				Bentor	nite [	30
Bedrock 🛛				3. Surface seal:	Conci	ete D	₫ 01
13. Sieve analysis attached? $\Box$ Ye	es 🖾 No				Ot	her [	ם 📖 ר
14. Drilling method used: Rotar	y □50		× ×	4. Material between w	well casing and protective pipe:		
Hollow Stem Auge	er □41				Bentor	nite [	30
Rotosonic Othe	er 🛛 📖			C	Coarse sand Ot	her 🛛	3
				5. Annular space seal	a. Granular/Chipped Benton	nite 🛛	⊴ 33
15. Drilling fluid used: Water $\boxtimes 02$ A	ir □01			bLbs/gal m	ud weight Bentonite-sand slu	rry [	35
Drilling Mud $\Box 0.3$ Non	e ∐99			c. <u>2.5</u> Lbs/gal m	ud weight Bentonite slu	rry D	31
16 Drilling additives used?	rs □No			d% Bentoni	ite Bentonite-cement gr	out [	] 50
				e. <u>6.1</u> Ft <sup>3</sup>	volume added for any of the abov	е	
Describe Baroid QUIK-GEL				f. How installed:	Tre	nie ⊵	⊴ 01
17. Source of water (attach analysis, if required	l):				I remie pumj	ped L	
	*				Grav	/ity ∟	
Site demineralized water tank	<u> </u>	∭		6. Bentonite seal:	a. Bentonite grant	iles L	33
E. Bentonite seal, top899.8 ft. MSL	or <u>41.0</u>	ft. 🔪		b. $\Box 1/4 \text{ m}$ . $\boxtimes 3$		her [	]
				7. Fine sand material	: Manufacturer, product name &	mesh	size
F. Fine sand, top894.8 ft. MSL	or <u>46.0</u>	ft. 🔪 💥		a	Red Flint #7		
000	10.0		₿ /	b. Volume added			
G. Filter pack, top892.8 ft. MSL	or <u>48.0</u>	ft.		8. Filter pack materia	l: Manufacturer, product name &	z mesh	ı size
801.2	40.6			a	Red Flint #40		
H. Screen joint, top ft. MSL	or <u>49.0</u>	ft		b. Volume added	$\frac{2.8}{\text{FL}} \text{ft}^3$	40 F	
876.2 ° MOL	64.6			9. Well casing:	Flush threaded PVC schedule	40 ⊵	⊴ 23
1. Well bottom $0.70.2$ ft. MSL	or	п	実際		Flush threaded PVC schedule	80 L 1horn ⊑	」 2 4 ㄱ
L Elternarde Lattern 875.8 A MGL				0.0	Ot	ner L	J
J. Filter pack, bottom	01	11.		0. Screen material: _	Factory	out 5	⊿ 11
K Borehole bottom 875.8 ft MSL	or 65.0	ft s		a. Screen Type.	Continuous	cui ⊵ slot ⊑	
	01	1.			Ot	her □	
L Borehole diameter 6.0 in				b. Manufacturer	Hole Products		J
				c. Slot size:		_0.	010 in.
M. O.D. well casing 2.38 in			$\backslash$	d. Slotted length:		1	5.0 ft.
······································			$\searrow_1$	1. Backfill material (t	pelow filter pack): No	one 🛛	₫ 14
N. I.D. well casing $2.05$ in.					Ot	her [	]
I hereby certify that the information on this form	is true and co	rrect to the best of	f my knowledge.				

Signature Firm TRC Environmental Corp. Tel: 608.826.3600 708 Heartland Trail, Suite 3000 Madison, WI 53717 Fax: 608.826.3941 4 Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may

result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

State of Wisconsin Department of Natural Resources Route To:	Watershed/Wastewater	Waste Management	MONITORING WELL CONSTRUCTION
Route 10.	Remediation/Redevelopment	Other	Form 4400-113A Rev. 7-98
Facility/Project Name	Local Grid Location of Well		Well Name
RockGen Energy Center	ft S.	$\mathbf{ft} \square \mathbf{E}$ .	MW-05
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated:	$\square$ ) or Well Location $\square$	Wis. Unique Well No. DNR Well Number
	Lat 42° 58' 33.0" Lor	ag 89° 2' 52.4" or	VI 1634
Facility ID			Date Well Installed
	St. Planeft. N,	<u>2,223,295</u> ft. E. (S)/C/N	
Type of Well	Section Location of Waste/Source	M F	U5/10/2021 Well Installed By: (Person's Name and Firm)
	<u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>2</u>	13, T. <u>6</u> N, R. <u>12</u> W	
Well Code 11/mw	Location of Well Relative to Waste/S	Source Gov. Lot Number	Travis Whittaker
Source ft.	u □ Upgradient s □ Si d □ Downgradient n ⊠ N	idegradient fot Known	Cascade
A. Protective pipe, top elevation94	45.56 ft. MSL	1. Cap and lock?	🛛 Yes 🗆 No
	15.48 0 1/01	2. Protective cover p	pipe:
B. Well casing, top elevation	<u>+5.46</u> ft. MSL	a. Inside diameter	$\frac{3.8}{100}$ in.
C. Land surface elevation 94	42.92_ ft. MSL <	b. Length:	<u>7.0</u> ft.
028.0	4.0	c. Material:	Steel 🛛 04
D. Surface seal, bottom ft. MSL	or <u>4.0</u> ft.		Other 🗆
12. USCS classification of soil near screen:	MAN MAR OF	d. Additional prot	tection? 🛛 Yes 🗆 No
$GP \Box GM \Box GC \Box GW \Box S'$	W D SP D V	If yes, describe	: bollards
SM SC ML MH C	L СН 🛛 🛛 🙀		Bentonite 🗆 3 0
Bedrock 🛛		3. Surface seal:	Concrete 🛛 0 1
13. Sieve analysis attached?	es 🖾 No 🛛 🛛 👹 🖁	🕷 🔪	Other 🗆 📖
14. Drilling method used: Rotat	ry □ 50	4. Material between	well casing and protective pipe:
Hollow Stem Aug	er □ 4 1	8	Bentonite $\Box$ 30
Rotosonic Oth	er 🛛 🤅 🖌	8	Coarse sand Other
		5 1 1	
15. Drilling fluid used: Water $\boxtimes 0.2$ A	.ir □ 0 1 🛛 🗱	S. Annuar space sea	al: a. Granular/Chipped Bentonite $\boxtimes$ 3.3
Drilling Mud $\Box 0.3$ Nor	$\square \square 99$	0Los/gal n	and weight Bentonite-sand slurry $\Box$ 3.5
		CLos/gai in	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
16. Drilling additives used? $\boxtimes$ Ye	es □ No 🛛 🖉 🖁	$\sim$ d% Benton	$\square$ Bentonite-cement grout $\square$ 50
		e. <u></u> Ft	volume added for any of the above $T_{\text{remin}} \square 0.1$
Describe Baroid QUIK-GEL	<u> </u>	I. How installed	$: \qquad \qquad \text{Iremie} \ \Box \ 0 \ I$
17. Source of water (attach analysis, if required	d):	▓	$\begin{array}{c} \text{Iremie pumped}  \Box  0 \\ 2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$
		8	Gravity 🖾 0.8
Site demineralized water tan	<u>k</u> 📓 📓	6. Bentonite seal:	a. Bentonite granules 🔲 3 3
		b. $\Box 1/4$ in. $\Box$	$3/8$ in. $\Box 1/2$ in. Bentonite chips $\Box 32$
E. Bentonite seal, top ft. MSL	or ft 👹	©	Other
		7. Fine sand materia	l: Manufacturer, product name & mesh size
F. Fine sand, top ft. MSL	or <u>48.5</u> ft.	8 / / a	Red Flint #7
		b. Volume added	
G. Filter pack, top ft. MSL	or <u>50.5</u> ft.	8. Filter pack materi	al: Manufacturer, product name & mesh size
880.4	53.5	a	2
H. Screen joint, top689.4 ft. MSL	or ft	b. Volume added	ft <sup>3</sup>
074.4		9. Well casing:	Flush threaded PVC schedule $40 \boxtimes 23$
I. Well bottom $\frac{8/4.4}{1.000}$ ft. MSL	or <u>68.5</u> ft.		Flush threaded PVC schedule $80 \square 24$
		×	Other 🗌
J. Filter pack, bottom 874.4 ft. MSL	or <u>68.5</u> ft.	10. Screen material:	PVC
		a. Screen Type:	Factory cut 🛛 1 1
K. Borehole, bottom874.4 ft. MSL	or <u>68.5</u> ft.		Continuous slot 🛛 0 1
			Other
L. Borehole, diameter <u>6.0</u> in.		b. Manufacturer	Hole Products
		c. Slot size:	<u>0.010</u> in.
M. O.D. well casing 2.38 in		d. Slotted length:	<u>    15.0     ft</u> .
m.		11. Backfill material	(below filter pack): None $\boxtimes$ 1 4
N I D well casing 2.05 in			Other []
13. 1.D. went casing III.			
Lhereby certify that the information on this for	n is true and correct to the best of my	knowledge	
Signature	Firm TROE	kilowicuge.	T 1 (00.02/ 2/00

u	TRC	Env	iron	ment	al	Co
			-			-

Sellina TRC Environmental Corp. 708 Heartland Trail, Suite 3000 Madison, WI 53717 Tel: 608.826.3600 Fax: 608.826.3941 Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may

result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin Department of Natural Resources MONITORING WELL CONSTRUCTION Route To: Watershed/Wastewater Waste Management Form 4400-113A Rev. 7-98 Remediation/Redevelopment Other Facility/Project Name Local Grid Location of Well Well Name □ N. ft. **MW-06** ft. RockGen Energy Center Wis. Unique Well No. DNR Well Number Facility License, Permit or Monitoring No. (estimated: Local Grid Origin ) or Well Location  $\boxtimes$ 54.9"<sub>\_ or</sub> <u>29.3"</u> Long. <u>89°</u> 2' 42° 58' VU635 Facility ID Date Well Installed 2,223,117 356,743 (S)/C/Nft. E. St. Plane \_\_\_\_ ft. N. 05/11/2021 Section Location of Waste/Source Type of Well  $\square E$  $\square W$ Well Installed By: (Person's Name and Firm) <u>NW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>23</u>, T. \_ 6 12 N. R. Well Code 11/mw Travis Whittaker Location of Well Relative to Waste/Source Gov. Lot Number Distance from Waste/ Enf. Stds. u 🗆 Upgradient s 🗆 Sidegradient Source Apply Cascade ft  $\boxtimes$ d 🗆 Downgradient n 🛛 Not Known 941.92 ft. MSL 1. Cap and lock? 🛛 Yes 🗆 No A. Protective pipe, top elevation 2. Protective cover pipe: 941.84 ft. MSL B. Well casing, top elevation 3.8 in a. Inside diameter: 7.0 939.40 ft. MSL b. Length: C. Land surface elevation c. Material: ⊠ 04 Steel 935.4 ft. MSL or 4.0 ft. D. Surface seal, bottom Other 🛛 Yes 🗆 No d. Additional protection? 12. USCS classification of soil near screen: bollards GC □  $GM \square$ GW□  $SW \square$ If yes, describe: \_\_\_\_  $GP \square$ SP  $\square$ SM 🗆 ML 🗆  $MH \square$ CL 🗆 SC 🗆 CH 🗆 Bentonite 🛛 30 3. Surface seal: Bedrock 🖾 Concrete 🛛 01 13. Sieve analysis attached? □ Yes ⊠ No Other Rotary 🗆 5 0 4. Material between well casing and protective pipe: 14. Drilling method used: Hollow Stem Auger 4 1 Bentonite 30 Coarse sand Rotosonic Other 🛛 Other 5. Annular space seal: a. Granular/Chipped Bentonite 🛛 3 3 15. Drilling fluid used: Water ⊠ 0 2 Air 🗆 0 1 Lbs/gal mud weight ... Bentonite-sand slurry D 35 b. \_ Drilling Mud  $\Box 0.3$  None  $\Box 9.9$ c. <u>2.5</u> Lbs/gal mud weight . . . Bentonite slurry 🛛 31 \_% Bentonite . . . Bentonite-cement grout  $\Box$  50 16. Drilling additives used?  $\Box$  Yes  $\boxtimes$  No \_Ft<sup>3</sup> volume added for any of the above 6.5 e f How installed: Tremie 🛛 0.1 Describe Tremie pumped 02 17. Source of water (attach analysis, if required): Gravity D 08 Site demineralized water tank 6. Bentonite seal: a. Bentonite granules 
a 3 3 b.  $\Box 1/4$  in.  $\boxtimes 3/8$  in.  $\Box 1/2$  in. Bentonite chips  $\boxtimes 32$ 43.0\_\_\_\_ft. 896.4 ft. MSL or \_ C. Other  $\square$ E. Bentonite seal, top 7. Fine sand material: Manufacturer, product name & mesh size 46.<u>0</u> ft. 893.4 ft. MSL or \_\_\_\_\_ Red Flint #7 F. Fine sand, top 0.5  $ft^3$ b. Volume added 48.0 ft. 891.4 ft. MSL or \_\_\_\_ 8. Filter pack material: Manufacturer, product name & mesh size G. Filter pack, top Red Flint #40 49.9\_ ft. 889.5 ft. MSL or \_ 3.5  $ft^3$ H. Screen joint, top b. Volume added 9. Well casing: Flush threaded PVC schedule 40  $\boxtimes$  2.3 64.9\_ft. \ 874.5 ft. MSL or \_\_\_\_ Flush threaded PVC schedule 80 
24 I. Well bottom Other 🛛 65.0 ft. ~ 874.4 ft. MSL or \_\_\_\_ PVC J. Filter pack, bottom 10. Screen material: a. Screen Type: Factory cut 🛛 11 65.0\_ft. 874.4 ft. MSL or \_\_\_\_ K. Borehole, bottom Continuous slot 

01 Other 🛛 6.0 Hole Products b. Manufacturer L. Borehole, diameter in. 0.01<u>0</u> in. c. Slot size: 15.0 ft. 2.38 d. Slotted length: M. O.D. well casing in. None 🛛 14 11. Backfill material (below filter pack): 2.05 Other 🛛 N. I.D. well casing in.

 I hereby certify that the information on this form is true and correct to the best of my knowledge.

 Signature
 Firm

 TRC Environmental Corp.
 Tel: 608.826.3600

 708 Heartland Trail, Suite 3000 Madison, WI 53717
 Fax: 608.826.3941

State of Wisconsin Department of Natural Resources MONITORING WELL CONSTRUCTION Watershed/Wastewater Waste Management Route To: Form 4400-113A Rev. 7-98 Remediation/Redevelopment Other Facility/Project Name Local Grid Location of Well Well Name □ N. ft. **MW-07** ft. RockGen Energy Center Facility License, Permit or Monitoring No. (estimated: Wis. Unique Well No. DNR Well Number Local Grid Origin ) or Well Location  $\boxtimes$ 52.<u>2"</u> or <u>24.8"</u> Long. <u>89°</u> 42° 58' 2' VU636 Facility ID Date Well Installed 2,223,322 356,288 ft. E. (S)/C/NSt. Plane \_\_\_\_ ft. N. 05/13/2021 Section Location of Waste/Source Type of Well  $\square E$  $\square W$ Well Installed By: (Person's Name and Firm) <u>SW</u> 1/4 of <u>NW</u> 1/4 of Sec. <u>23</u>, T. \_ 6 12 N. R. Well Code 11/mw Travis Whittaker Location of Well Relative to Waste/Source Gov. Lot Number Distance from Waste/ Enf. Stds. u 🗆 Upgradient s 🗆 Sidegradient Source Apply Cascade ft  $\boxtimes$ d 🗆 Downgradient n 🛛 Not Known 941.67 ft. MSL 1. Cap and lock? 🛛 Yes 🗆 No A. Protective pipe, top elevation 2. Protective cover pipe: 941.63 ft. MSL B. Well casing, top elevation 3.8 in a. Inside diameter: 7.0 939.14 ft. MSL b. Length: C. Land surface elevation c. Material: ⊠ 04 Steel 935.1 ft. MSL or 4.0 ft. D. Surface seal, bottom Other 🛛 Yes 🗆 No d. Additional protection? 12. USCS classification of soil near screen: bollards GC □  $GM \square$ GW□  $SW \square$ If yes, describe: \_\_\_\_ GP □ SP  $\square$ SM 🗆 ML 🗆 MH□ CL 🗆 SC 🗆 CH 🗆 Bentonite 🛛 30 3. Surface seal: Bedrock 🖾 Concrete 🛛 01 13. Sieve analysis attached? □ Yes ⊠ No Other Rotary 🗆 5 0 4. Material between well casing and protective pipe: 14. Drilling method used: Hollow Stem Auger 4 1 Bentonite 30 Coarse sand Rotosonic Other 🛛 Other 5. Annular space seal: a. Granular/Chipped Bentonite 🛛 3 3 15. Drilling fluid used: Water ⊠ 0 2 Air 🗆 0 1 Lbs/gal mud weight . . . Bentonite-sand slurry 🛛 3 5 b. \_ Drilling Mud  $\Box 0.3$  None  $\Box 9.9$ c. <u>2.5</u> Lbs/gal mud weight . . . Bentonite slurry 🛛 31 \_\_% Bentonite . . . Bentonite-cement grout  $\Box$  50 🛛 Yes 🗆 No 16. Drilling additives used? 6.1 \_Ft<sup>3</sup> volume added for any of the above e. f How installed: Tremie 🛛 0.1 Baroid QUIK-GEL Describe Tremie pumped 02 17. Source of water (attach analysis, if required): Gravity D 08 Site demineralized water tank 6. Bentonite seal: a. Bentonite granules 
a 3 3 b.  $\Box 1/4$  in.  $\boxtimes 3/8$  in.  $\Box 1/2$  in. Bentonite chips  $\boxtimes 32$ 41.0 ft. 8<u>98.1</u> ft. MSL or \_ C. Other  $\square$ E. Bentonite seal, top 7. Fine sand material: Manufacturer, product name & mesh size 46.<u>0</u> ft. 893.1 ft. MSL or \_\_\_\_\_ Red Flint #7 F. Fine sand, top 0.25  $ft^3$ b. Volume added 48.<u>0</u> ft. 891.1 ft. MSL or \_\_\_\_\_ 8. Filter pack material: Manufacturer, product name & mesh size G. Filter pack, top Red Flint #40 48.4\_ ft. -890.7 ft. MSL or \_ 3  $ft^3$ H. Screen joint, top b. Volume added 9. Well casing: Flush threaded PVC schedule 40  $\boxtimes$  2.3 875.7 ft. MSL or \_\_\_\_ 63.4 ft. \ Flush threaded PVC schedule 80 
24 I. Well bottom Other 🛛 67.0\_\_\_\_ft. ~ 872.1 ft. MSL or \_\_\_\_ PVC J. Filter pack, bottom 10. Screen material: a. Screen Type: Factory cut 🛛 11 70.0\_ ft. \ 8<u>69.1</u> ft. MSL or \_\_\_\_ K. Borehole, bottom Continuous slot 

01 Other 🛛 6.0 Hole Products b. Manufacturer L. Borehole, diameter in. 0.01<u>0</u> in. c. Slot size: 15.0 ft. 2.38 d. Slotted length: M. O.D. well casing in. 11. Backfill material (below filter pack): None 🗆 14 3/8" bentonite chips 2.05 Other 🛛 N. I.D. well casing in.

 I hereby certify that the information on this form is true and correct to the best of my knowledge.

 Signature
 Firm

 TRC Environmental Corp.
 Tel: 608.826.3600

 708 Heartland Trail, Suite 3000 Madison, WI 53717
 Fax: 608.826.3941

State of Wisconsin Department of Natural Resources					MONUTODING WELL	CONGED		
Route To:	Watershed/Wastewa Remediation/Redeve	ter ∐ V elopment ⊠ C	Vaste Managemen )ther 🗌	t 🛄	Form 4400-113A	Rev. 7-9	UCT. 8	ION
Facility/Project Name	Local Grid Location of	f Well			Well Name		•	
RockGen Energy Center	ft.	」N. ∃ S	$-$ ft. $\Box W$ .		PZ·	-01		
Facility License, Permit or Monitoring No.	Local Grid Origin	] (estimated:	) or Well Loca	ation 🖂	Wis. Unique Well No.	DNR Well N	lumb	er
	Lat. <u>42°</u> <u>58'</u>	<u>32.9"</u> Long	<u>89° 2'</u>	<u>52.5</u> " or	VU637			
Facility ID	St. Plane	ft. N,,2,2	23,286 ft. E.	(\$)/C/N	Date Well Installed			
	Section Location of W	aste/Source			06/09,	/2021		
Type of Well	NW_1/4 of NW	/4 of Sec23	T. <sup>6</sup> N.R.	$12 \square W$	Well Installed By: (Pers	on's Name a	nd Fi	rm)
Well Code 12/pz	Location of Well Rela	tive to Waste/Sourc	e Gov. Lo	ot Number	Adam Jo	chimson		
Source Apply	u 🗆 Upgradient	s 🗆 Sidegr	adient		Case	ade		
	[ d ∐ Downgradien	t n 🛛 Not Ki	nown	nd lock?	;	Nauc Vec		No
A. Protective pipe, top elevation	<u>нэ.ээ</u> п. MSL —		2. Protec	tive cover pi	ne:	<b>Δ</b> , 163		INO
B. Well casing, top elevation92	4.95 ft. MSL		a. Insie	de diameter:	r	_	6.	0_ in.
C. Land surface elevation94	12.57 ft. MSL 🔨		b. Len	gth:		-	280.	<u>0</u> ft.
D. Surface seal bottom 942.1 ft MSI	or 0.5 ft 🕅		c. Mat	erial:		Steel	$\boxtimes$	04
					<i></i>	Other		
12. USCS classification of soil near screen:		$\sim$	d. Add	utional prote	bollards	🖾 Yes		No
				es, describe.		Dontomito	_	2.0
Bedrock 🛛			3. Surfac	e seal:		Concrete		3 U 0 1
13. Sieve analysis attached? $\Box$ Ye	es 🖾 No		$\backslash$			Other		
14. Drilling method used: Rotar	v □50		4. Materi	al between v	well casing and protective	e pipe:		
Hollow Stem Aug	$r \Box 41$					Bentonite		30
Mud rotary Othe	er 🛛 🛄			Coarse sand	and annular space seal	Other	$\boxtimes$	
			5. Annul	ar space seal	: a. Granular/Chippe	ed Bentonite		33
Drilling Mud $\square$ 0.3 Nor			b	_Lbs/gal m	ud weight Bentonite	-sand slurry		35
			c. <u>2.3</u>	_Lbs/gal m	ud weight Ben	tonite slurry		31
16. Drilling additives used? $\boxtimes$ Ye	es 🗆 No		d	$-\%$ Bentom $6.5$ $Et^3$	tte Bentomite-c	the above		50
			t Ho	w installed	volume added for any or	Tremie		0.1
Describe Baroid QUIK-GEL					Tre	mie pumped	$\boxtimes$	02
17. Source of water (attach analysis, if required	):					Gravity		08
Site demineralized water tank	:		6. Bentor	nite seal:	a. Bentor	nite granules		33
			/ b. 🗆	1/4 in. 🛛 3	3/8 in. 🗆 1/2 in. Ber	ntonite chips	$\boxtimes$	32
E. Bentonite seal, top661.6 ft. MSL	or <u>281.0</u> ft.		c			Other		
	\ \		7. Fine sa	and material:	Manufacturer, product	name & mes	h size	e
F. Fine sand, top656.6 ft. MSL	or <u>286.0</u> ft.		a		Red Flint #7			
(5)	288.0		b. Vol	ume added	0.33 ft			
G. Filter pack, top654.6 ft. MSL	or $288.0$ ft.		8. Filter p	oack materia	1: Manufacturer, produc	t name & me	sh siz	ze
<b>11</b> G 52 G 9 <b>1</b> G	200.0		a		Red Flint #40	<u>.</u>		
H. Screen joint, top ft. MSL	or <u>290.0</u> ft. <u> </u>	─ <u></u>	b. Vol	ume added	ff		_	
L Wall hottom 642.6 A MCL			9. Well c	asıng:	Flush threaded PVC	schedule 40		23
$\frac{0.02.0}{1.0} \text{ ft. MSL}$	or <u> </u>				Flush threaded PVC	Schedule 80		24
I Filter pack bottom 639.6 ft MSL	or 303.0 ft -			material	PVC			
	or it. <		a Scr	een Type <sup>.</sup>		Factory cut	⊠	11
K. Borehole, bottom639.6 ft, MSL	or		u. 501	con rype.	Cor	ntinuous slot		01
						Other		· ·
L. Borehole, diameter <u>12.5</u> in.			b. Ma	nufacturer	Hole Products			
		\ \	c. Slo	t size:		_	0.01	<u>0</u> in.
M. O.D. well casing <u>2.38</u> in.			d. Slo	tted length:		_	10.	<u>0</u> ft.
			`11. Backfi	ill material (I	below filter pack):	None	$\boxtimes$	14
N. I.D. well casing $1.91$ in.						Other		
TT. 1 CONTRACTOR CONTRACTOR		1 1 4 0 1						
I nereby certify that the information on this form	i is true and correct to f	ne best of my know	viedge.			m 1 (70-1)	00.5	

Firm TRC Environmental Corporation

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# Appendix D: Hydraulic Conductivity Test Documentation

# Summary of Slug Test Analyses RockGen Energy Center, TRC Project # 437865.0000.0000 Phase 1 Town of Christiana, Dane County, Wisconsin

	MW-01 MW-03							MW-05		
Parameter	Description	Units	Source/notes	Test 1	Test 2	Test 1	Test 2	Test 3	Test 1	Test 2
Well/Borin	g Data					10011		10010	10011	
TOC	of casing elevation			928.28		939.53			942.92	
	Ground surface elevation			930	).73		942.03		945.48	
	Stickup height			2.	45		2.50		2.5	6
	Constructed depth to top of screen	ft bgs	Post-development DTB (btoc) - stickup height	34	.6		49.6		53.	5
	Screen length	ft bgs		1	5		15		15	5
	Constructed depth to bottom of screen	ft bgs		49	9.6		64.6		68.	5
	Inside radius of well casing	in	Well construction form	2.0	)47		2.047		2.04	17
	Borehole diameter	in	Well construction form (see note for MW-01)		6		6		6	
	Lithology in saturated part of screened interval	-	Boring log	No recover	y, assumed	No recov	ery, assumed sa	ndstone	No recovery	, assumed
				sand	stone				sands	tone
DTW	Depth to water	ft btoc	Field notes	45	.03		58.16		61.3	22
Input para	neters									
H(0)	Observed initial displacement	ft	Data logger file	0.258	0.397	1.495	1.755	0.873	0.839	0.887
Н	Static water column height	ft	Height of water above bottom of well	7.	02		8.94		9.8	4
b	Saturated thickness of aquifer		Height of water column in well + 15 ft	2	2		24		25	
Kv/Kh	Vertical-to-horizontal hydraulic conductivity anisotropy	-	Estimated based on lithology interpretation	0	.5		0.5		0.5	
d	Depth to top of well screen from static water level (unconfined)	ft	d=0 if top of well screen is above the water table	0		0			0	
			(unconfined)							
					0.0		0.04			
L	Length of well screen	ft	Saturated length of well screen	7.	02		8.94		9.8	4
r(c)	Inside radius of well casing	ft	Radius of casing from well construction form	0.0	085		0.085		0.0	35
r(eq)	Radius of downhole equipment	ft	Radius of transducer	0.0	005		0.005		0.00	<u>)5</u>
r(w)	Radius of well (including filter pack)	π	Well construction form	0.	25		0.25		0.2	5
n(e)	Filter pack porosity for correction for effective casing radius	-	Bouwer-Rice (1976) method	0.	25 		0.25		0.2	5 fin a d
	Aquiter type	-	Interpreted from boring logs	Unco	ntined		Unconfined		Uncon	lined
Results for	Bouwer-Rice Solution	£1.		0.4040	0.4045	0.0500	0.4050	0.0700	0.0040	0.0577
yu V		π	Manual/automatic fit solution in AQTESOLV	0.1319	0.1615	0.2599	0.4958	0.2762	0.2249	0.3577
ĸ		cm/sec	Manual/automatic fit solution in AQTESOLV	7.3E-04	5.1E-04	1.0E-03	9.3E-04	1.1E-03	1.1E-04	9.5E-05
ĸ	Geometric mean hydraulic conductivity	cm/sec	Geometric mean if multiple slug tests conducted	6.1	<b></b> 04		1.0E-03		1.0E	-04
Results for	r Hvorslev Solution			0.4040	0.404-	0.0500	0 1050		0.00/0	
y0		tt (	Manual/automatic fit solution in AQTESOLV	0.1319	0.1615	0.2598	0.4958	0.2762	0.2249	0.3577
ĸ	Hydraulic conductivity	cm/sec	Ivianual/automatic fit solution in AQTESOLV	1.1E-03	7.9E-04	1.6E-03	1.4E-03	1.7E-03	1.7E-04	1.4E-04
K	Geometric mean hydraulic conductivity	cm/sec	Geometric mean if multiple slug tests conducted	9.4	<b></b> 04		1.5E-03		1.6E	-04

Notes:

The MW-01 borehole diameter is 8" from 0-43 ft bgs and 6" from 43-50 ft bgs. For the purpose of slug test analysis, a borehole diameter of 6" was used because most of the saturated section of the screen is within the 6" borehole diameter depth. The lithology in the saturated portion of the screened interval is assumed to be sandstone based on the lack of recovery during drilling, driller observations, and existing boring logs from the site.

The saturated thickness of the aquifer was estimated as the saturated length of the well plus 15 ft.

Transducer cable thickness of 0.01 ft was used for determining the radius of downhole equipment.

Prepared by: L. Auner, 6/2/2021 Updated by: L. Auner, 6/3/2021 Checked by: S. Sellwood, 6/3/2021































# Appendix E: Site-Specific Soil Criteria Calculations

## Table E.1: Chemical-Specific Parameters for Leaching Chemicals of Potential Concern RockGen Energy Center Town of Christiana, Dane County, WI TRC Project # 437865.0000.0000, BRRTS #02-13-587341

Soil		Molecular	Aqueous Solubility		Henry's Law		Partition Coefficients		Partition Coefficients		Recommended Groundwater Enforcement				Target GW	Target GW	
Leaching	CAS	Weight	Limit		Constant		(log Kow)		(log Koc)		Std.		HAL		Standard	Standard	
COPC	Number	(g/mol)	(mg/L)	Ref	(unitless)	Ref	(L/kg)	Ref	(L/kg)	Ref	(ng/L)	Ref	(ng/L)	Ref	(ng/L)	(mg/L)	Basis
PFOS	1763-23-1	500.1	570	CompTox,	7.38E-10	CompTox	5.61E+00	CompTox	2.4 - 3.7	ITRC	20	WI	70	EPA	20	0.00002	WI
				ITRC													
PFOA	335-67-1	414.1	5,673	CompTox	7.87E-09	CompTox	3.10E+00	CompTox	1.89 - 2.63	ITRC	20	WI	70	EPA	20	0.00002	WI

#### Notes:

COPC = chemical of potential concern

Prepared by: C. Casaceli-Johnson, 6/9/2021 Checked by: J. Ramey, 9/7/2021

g/mol = grams per mol L/kg = liters per kilogram

mg/L = milligrams per liter

ng/L = nanograms per liter

Std. = standard

HAL = health advisory level

#### References:

1. ITRC PFAS Technical and Regulatory Guidance Document. Table 4-1. Physical and Chemical Properties of Selected PFAS. April 2020. To access the current version of this file, visit the ITRC PFAS web page available on-line at: <a href="http://pfas-1.itrcweb.org">http://pfas-1.itrcweb.org</a>).

2. USEPA CompTox Chemicals Dashboard. Available online at: https://comptox.epa.gov/dashboard

Wisconsin Department of Health Services (DHS). 2019. Recommended Groundwater Standards. Available at:
 <a href="https://www.dhs.wisconsin.gov/chemical/pfas.htm#:~:text=Wisconsin%20has%20sent%20DNR%20recommended,and%20PFOS%20individually%20and%20combined.&text=The%20EPA%20does%20not%20have,levels%20of%20PFOA%20and%20PFOS</a>

4. USEPA Drinking Water Health Advisories for PFOA and PFOS. Available on-line at: Drinking Water Health Advisories for PFOA and PFOS | Ground Water and Drinking Water | US EPA

## Table E.2: Summary of Fate and Transport Modeling Inputs RockGen Energy Center Town of Christiana, Dane County, WI TRC Project # 437865.0000.0000, BRRTS #02-13-587341

	Site-Specific		
Definition	Inputs	Units	Reference
Soil Type	Sand	-	Site-specific; sand and gravel generally present in source area
Soil bulk density, unsaturated soil	1.7	g-soil / cm <sup>3</sup> - soil	GSI, 2013 (default value for sand)
Volumetric air content, vadose zone soils	0.33	cm <sup>3</sup> - air / cm <sup>3</sup> -soil	GSI, 2013 (default value for sand)
Volumetric water content, vadose zone soils	0.08	cm <sup>3</sup> - water / cm <sup>3</sup> -soil	GSI, 2013 (default value for sand)
Fraction of Organic Carbon	0.001	g-carbon / g-soil	GSI, 2013 model default value
Depth to groundwater	55 (16.76)	ft (m)	Site-specific; based on field notes
Top of affected soil	0	ft(m)	Default value; conservatively assumes impacts present at surface
Base of affected soil	13 (3.96)	ft (m)	Site-specific. Depth to bedrock ranges from about 1-13 ft bgs based on drilling samples and geoprobe refusal. However, there was 13 ft of sand/gravel above bedrock for the source area well.
Hydraulic conductivity (K)	1.47E+02	cm/day	Site-specific; manual/automatic fit solution in AQTESOLV. Maximum value from MW-01, MW-03 and MW-05 based on the Hvorsley Solution results (1.7E-03 cm/sec)
Hydraulic gradient (i)	0.00167	ft / ft	Site-Specific; calculated between the head at MW-04 and MW-05
Groundwater Darcy Velocity = K x i	0.245	cm/day	Calculated, based on inputs above
Distance from source area to nearest POC or POE			
<ul> <li>Area 1 (AFFF Inspection Testing Area):</li> </ul>	383 (116.74)	ft (m)	Site-specific; distance from source Area 1 to property line. Area 1 simulates flow from the pink area used for AFFF testing.
<ul> <li>Area 2 (Western Swale):</li> </ul>	490 (149.35)	ft (m)	Site-specific; distance from source Area 2 to property line. Area 2 simulates flow from the drainage swale west of the pink area.
<ul> <li>Area 3 (Storm Sewer Outlet):</li> </ul>	644 (196.29)	ft (m)	Site-specific; distance from source Area 3 to property line. Area 3 simulates flow from the wooded area.
Saturated thickness	24 (7.32)	ft (m)	Site specific; average value from MW-01, MW-03 and MW-05 based on height of water column in well + 15 feet.
pH of soil	7	unitless	Assumes neutral pH
Width of soil source area/groundwater plume <i>perpendicular</i> to groundwater flow			
– Area 1:	116 (35.36)	ft (m)	Site-specific
– Area 2:	380 (115.82)	ft (m)	Site-specific
– Area 3:	200 (60.96)	ft (m)	Site-specific
Length of soil source area parallel to groundwater flow			•
– Area 1:	75 (22.86)	ft (m)	Site-specific
– Area 2:	25 (7.62)	ft (m)	Site-specific
– Area 3:	300 (91.44)	ft (m)	Site-specific
Infiltration rate	9.14	cm/yr	10% annual precip (b)

Notes:

1. Obtained using GIS measurements

 Average annual precipitation value = 91.44 cm/yr (equivalent to 36 inches/yr) (https://www.bestplaces.net/climate/city/wisconsin/christiana\_(dane\_cnty)). Therefore, approximately 10 percent of this precipitation value (9.14 cm) chosen to represent infiltration. Prepared by: C. Casaceli-Johnson, 6/9/2021 Checked by: J. Ramey, 9/7/2021

# Table E.3: Comparison of the MDC to the Site-Specific Leaching SSLs RockGen Energy Center Town of Christiana, Dane County, WI TRC Project # 437865.0000.0000, BRRTS #02-13-587341

	(AFFF Inspe	Area 1 ction Testing Area)	(Wes	Area 2 stern Swale)	(Storm	Area 3 Sewer Outlet)		
Soil Leaching COPC	Area 1 Soil MDC (mg/kg)	Modeled SSL (mg/kg) [a]	Area 2 Soil MDC Modeled SSL (mg/kg) (mg/kg) [a]		Area 3 Soil MDC (mg/kg)	Modeled SSL (mg/kg) [a]		
PFOS	ND	>1.7E+02	2.30E-04	>1.7E+02	4.80E-04	>1.7E+02		
PFOA	6.5E-04	>7.1E+02	6.50E-03	>7.1E+02	4.80E-03	>7.1E+02		

### Notes:

[a] Calculated using GSI's RBCA Tool Kit for Chemical Releases, Version 2.6. GSI Environmental, Houston, Texas.

> = greater than soil saturation limit.

COPC = chemical of potential concern.

MDC = maximum detected concentration.

mg/kg = milligrams per kilogram.

ND = not detected.

SSL = soil screening level (protective of groundwater).

Prepared by: C. Casaceli-Johnson, 6/9/2021 Checked by: J. Ramey, 9/7/2021