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 10/21)

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 Public 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.

Section 1. Contact and Recipient Information

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		
Smith	Jason		Tecumseh Products Company LLC		
Mailing Address			City	State	ZIP Code
5683 Hines Drive			Ann Arbor	MI	48108
Phone # (include area code)	Fax # (include area code)		Email		
(731) 707-2889			jason.smith@tecumseh.com		

The requester listed above: (select all that apply)

- ☐ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☒ Other. Explain the status of the Property with respect to the applicant:

  Responsible Party

Contact Information (to be contacted with questions about this request)

☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Harvey	Chris	D	TRC Environmental Corporation		
Mailing Address			City	State	ZIP Code
230 West Monroe Street, Suite 630			Chicago	IL	60606
Phone # (include area code)	Fax # (include area code)		Email		
(312) 909-0043	(312) 578-0877		charvey@trccompanies.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Harvey	Chris	D	TRC Environmental Corporation		
Mailing Address			City	State	ZIP Code
230 West Monroe Street Suite 630			Chicago	IL	60606
Phone # (include area code)	Fax # (include area code)		Email		
(312) 909-0043	(312) 578-0877		charvey@trccompanies.com		

☒ Property Owner (if different from requester)

Contact Last Name	First	MI	Organization/ Business Name		
Langenfeld	Casey		City of New Holstein		
Mailing Address			City	State	ZIP Code
2110 Washington Street			New Holstein	WI	53061
Phone # (include area code)	Fax # (include area code)		Email		
(920) 898-5766	(920) 898-5879		clangenfeld@wppienergy.org		

Section 2. Property Information

Property Name	FID No. (if known)
Tecumseh Products Company (Former) - Chromium Line	408020690
BRRTS No. (if known)	Parcel Identification Number
02-08-363333	18919, 18569, 18921, 18646, 18465, 18450, 18568

Street Address	City	State	ZIP Code
1604 Michigan Avenue	New Holstein	WI	53061

County	Municipality where the Property is located	Property is composed of:	Property Size Acres
Calumet	◉ City ○ Town ○ Village of New Holstein	○ Single tax parcel ◉ Multiple tax parcels	38

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

◉ No ○ Yes

Date requested by: _____

Reason:

_____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

◉ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

○ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [**Numbers in brackets are for WI DNR Use]**

- ☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of $350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**
- ☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**
- ☒ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**
- ☐ Hazardous Waste Determination - **Include a fee of $700.**
- ☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**
  - ☐ Include a fee of $300 for sites with residual soil contamination; and
  - ☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

  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).

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.

Section 4. Request for Liability Clarification (cont.)

☐ Lease 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.

General 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 where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of $700.**

- Include 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: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ 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.

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: Remedial Action Documentation Report

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 Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the Submittal Portal web page.

Section 7. Certification by the Person who completed this form

- ☐ I am the person submitting this request (requester)
- ☒ I prepared this request for: Tecumseh Products Company
  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	12/30/2021 Date Signed
Principal Title	(312) 909-0043 Telephone Number (include area code)

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 DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

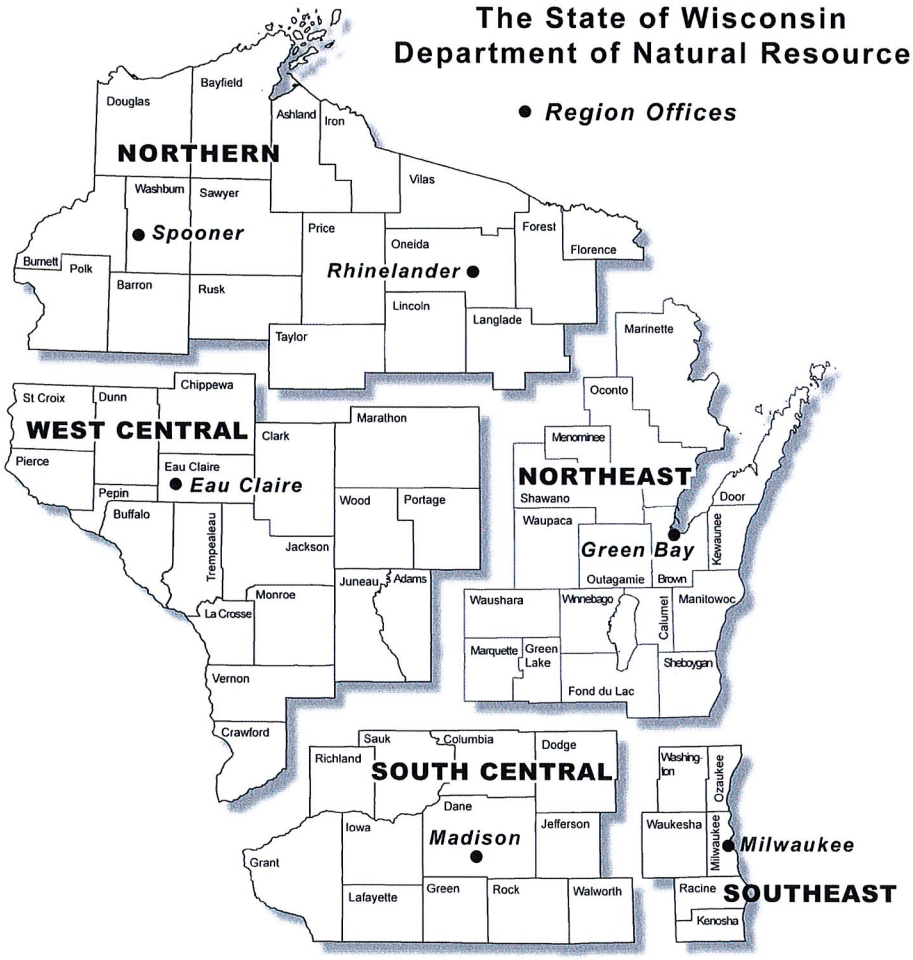
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

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
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

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	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

230 W Monroe St., Suite 630
Chicago, IL 60606
T 312.578.0870
TRCcompanies.com

December 30, 2021

Kevin McKnight
Hydrogeologist – Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
625 E. County Y, Suite 700
Oshkosh, WI 54901

Subject: Remedial Action Documentation Report
Tecumseh Products Company (Former) – Chromium Line
1604 Michigan Avenue, New Holstein, WI 53061
WDNR Facility ID: 408020690; BRRTS #02-08-363333

Dear Mr. McKnight:

This report documents remedial actions recently implemented by TRC Environmental Corporation (TRC) in accordance with the approved *Remedial Action Plan* (TRC, 2021) for the former Tecumseh Products Company (Tecumseh) – Chromium Line site (BRRTS #02-08-363333 [Open ERP]) (Site). The remediation activities consisting of in-situ chemical reduction (ISCR) via injection wells and soil mixing were conducted from October 25 to November 10, 2021. The remedy was implemented to address hexavalent chromium impacts observed at the Site. The details of the implemented supplemental remedy are presented in accordance with Wisconsin Administrative Code Chapter 724.15 in the following sections.

Site Location Information

- Street Address: 1604 Michigan Avenue, New Holstein, Wisconsin 53061
- Quarter-Quarter Section, Township, Range, and County: NE ¼ and SE ¼ of SE ¼ of Section 10 of Township 17 North, Range 20 East, Calumet County
- NR 716.15 (5) (d) Location Information: Refer to **Figure 1**
- Latitude and Longitude: 88°05’10.46”W 43°57’12.30"N
- Wisconsin Transverse Mercator (WTM) Coordinates: 1,274,535.61011 U.S. ft. N, 2,209,822.29252 U.S. ft. E

Responsible Party

- Tecumseh Products Company, LLC
  5683 Hines Drive
  Ann Arbor, MI 48108

  Mr. Jason Smith
  731-707-2889
  jason.smith@tecumseh.com

Consultant Involved with Project

- TRC Environmental Corporation
  230 West Monroe Street, Suite 630
  Chicago, IL 60606

  Mr. Chris Harvey, P.E.
  charvey@trccompanies.com
  (312) 909-0043 cell

Site Background Information

Several investigations have been completed at the Site. Previous Site investigations (URS 2002; New Fields 2004; TRC 2006 and 2009) delineated the extent of soil impact beneath the plant building where the former plating line was located, and in soils outside the building. In addition, these investigations determined the direction of groundwater flow, assessed the concentration and distribution of dissolved chromium species (total, Cr(VI), and Cr(III)), and evaluated the presence of typical plating-related metals and cyanide. During the investigations and groundwater monitoring, total dissolved chromium consisted of predominantly dissolved hexavalent chromium and future sampling would focus on the total dissolved chromium, as approved by WDNR (WDNR, 2013).

The Site has undergone previous remedial actions, including both source removal as well as MNA. TRC completed a limited chromium soil excavation in September 2011 in the area immediately surrounding a soil boring where analytical results from a sample collected during an August 2010 USEPA Site Assessment found hexavalent chromium at a concentration of 28.6 mg/L (using toxicity characteristic leaching procedure (TCLP)) which exceeded the toxicity characteristic of 5 mg/L. Analytical results of post-excavation soil samples collected from the base and sidewalls of the excavation were below Residual Cleanup Levels (RCLs) confirming source removal. No additional soil removal was warranted, and the excavation was backfilled with clean gravel.

For the past ten years, based on historical groundwater data and in accordance with WDNR recommendations (WDNR, 2008), groundwater monitoring has been conducted quarterly to annually to evaluate the effectiveness of MNA as the final step in the remedial process. In March 2019, TRC completed the groundwater monitoring event and reporting in accordance with the approved Long-Term Monitoring Plan. Total dissolved Cr exceeded the WDNR Enforcement Standard (ES) and the Preventative Action Limit (PAL) established in Chapter NR 140, Groundwater Quality, of the Wisconsin Administrative Code (WAC) in two monitoring wells (MW-B and MW- 5). Seven monitoring wells exceeded the ES in 2019 (MW-A, MW-E, TEC-1, TEC-3, TEC-4, NH- 7, and NH-26). The report concluded that 1) the contaminant plume remains stable and has not shown any migration from previous sampling events, 2) the groundwater impacts do not pose a threat to human health or the environment, and 3) that natural attenuation continues to control the migration of chromium impacts and is still a viable remedy for the site (TRC, 2019a). WDNR responded with a letter, dated July 10, 2019, and directed Tecumseh to prepare and submit a RAOR (TRC, 2019b). The RAOR was approved by WDNR and TRC's proposed remedial action was based upon the information presented in the RAOR.

The RAOR was premised on the fact that the City of New Holstein will be redeveloping the Site, including demolition of the above-grade building structures but leaving the building floor/foundation in place as an engineered barrier. The demolition activities were completed in November 2021. Due to the Site's soil

RCL exceedances and NR 140 ES exceedances, a combination of in-situ soil mixing and subsurface injection wells were agreed upon to address both potential leaching of chromium from soil to groundwater and dissolved phase chromium within the groundwater near the former plating areas.

Remedial Actions Performed

On April 27, 2021, TRC submitted a remedial action plan (RAP) for WDNR review (TRC, 2021). The RAP was approved on August 13, 2021 (WDNR, 2021). TRC acquired the proper permits from the WDNR prior to mobilization and kept physical copies of these permits onsite at all times. On June 29, 2021, the project received the Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-0046566-07 (Contaminated Groundwater from Remedial Action Options). On July 2, 2021, a temporary exemption for the injection of a remedial material into groundwater was received. This exemption was applied for due to Wisconsin Administrative Code NR 140.28(1)(d) and allowed the project to be exempt from Wis. Adm. Code NR 812.05. All terms and conditions of the general permit and temporary exemption were followed during remedial activities.

On October 25, 2021, TRC and its subcontractor Redox Tech, LLC (Redox Tech) mobilized to the Site to begin injection well installation and soil mixing activities. Using direct push injections installed via a Geoprobe 6610DT and a 1.5-inch DPT drill rod with expendable points, a combination of ferrous sulfate and Redox Tech's Anaerobic BioChem (ABC) was injected into 123 underground Class V injection wells between 13 to 25 feet below ground surface (bgs) at two-foot intervals. A trailer mounted, pneumatically operated mix and pump system were used in combination with a permitted hydrant located along Jefferson Street. A total of 27,921 lb of ferrous sulfate and 3,099 lb of ABC were injected into the subsurface at pressures below 100 psi. Further details on specific amounts injected at each point can be found in Attachment 3. The injection wells were spaced at approximately 12-foot intervals where possible and targeted three areas: the two former plating lines and a higher Cr(VI) concentration area north of the plating lines. The field-located injection locations can be seen on Figure 2.

On November 8, 2021, Redox Tech began in-situ soil mixing activities at the two former plating line areas. The demolition contractor (Veit) sawcut and removed the approximate 1,200 sq. ft. of concrete overlying these areas prior to soil mixing. The concrete was then hauled and disposed of at GFL Hickory Meadows Landfill with other waste from the building demolition. Using an excavator bucket and Redox Tech's proprietary soil blender excavator attachment, a total of 24,000 lb of ferrous sulfate and 2,649 lb of ABC were added to and then blended into the 0 to 6 ft bgs interval. Further details on specific amounts blended at the Site can be found in Attachment 3.

Injection well and soil mixing activities were completed on November 10, 2021. All injection well locations and soil mixing areas were located via a Juniper Geode Bluetooth GPS which is capable of sub-meter accuracy.

Each injection well was abandoned per Wis. Adm. Code NR 141.25 upon completion of all injection activities via bentonite chips. Injection wells located within the building footprint were also sealed with concrete to maintain the cap. TRC has completed an Inventory of Injection Wells form (WDNR Form 3300-253) to meet the NR 141.25(4) well abandonment documentation requirement using WDNR supplied forms. The Inventory of Injection Wells form can be found in Attachment 4.

Changes to Planned Remedial Actions

Injection well locations were field-adjusted to avoid damaging existing monitoring wells, former underground sewer lines, and when significant subsurface impediments were encountered during drilling and/or well installation. For example, if refusal was encountered during injection well installation at 21 ft bgs, the prescribed amount of ferrous sulfate and ABC for an individual well would be injected at 21 ft, 19 ft, 17 ft, 15 ft, and 13 ft with more injectant administered to each interval. The depth intervals of injection wells located outside of the former building footprint were also adjusted to 10 to 22 ft bgs to account for the three feet of elevation that the remaining concrete foundation provides. The full seven injection intervals were not able to be achieved at the following injection wells: IW-2 to IW-12, IW-14 to IW-17, IW-33, IW-34, IW-45, IW-48, IW-56, IW-57, IW-59 to IW-61, IW-63 to IW-82, IW-84 to IW-100, and IW-102 to IW-123. The specific injection intervals for each injection well can be found in Attachment 3.

The average of recently measured groundwater levels were used as the Site's groundwater level, so no groundwater levels were measured during the described remedial actions.

Site Monitoring During Remediation

While injection well activities were occurring at the Site, TRC used a photoionization detector (PID) to field-screen for volatile organic compounds (VOCs) at each injection well. All readings were 0.0 ppm besides a reading of 1.2 ppm at IW-57, 10.0 at IW-83, and 0.9 ppm at IW-116. These PID readings were noticed as spikes during the soil gas monitoring and did not persist during the entire time the soil gas was screened. TRC and Redox Tech also monitored the Site and surrounding areas for surfacing or "daylighting" of injectant and/or groundwater during injection activities. Negligible daylighting occurred intermittently, and injection pressure and location was adjusted if daylighting persisted.

Post-Remediation Activities and Cap Maintenance

The demolition contractor working at the Site filled all pits, trenches, floor drains, and all other potential openings in the concrete cap with concrete and/or flowable fill. The soil mixing areas were capped with flowable fill as well to maintain the cap. The City of New Holstein will manage the cap in accordance with the existing Cap Maintenance Plan.

Tecumseh will continue to actively monitor the groundwater to confirm the effectiveness of the remedial actions. The next groundwater monitoring event will occur in May 2022, approximately six months after supplemental remedial activities were completed. Previously performed groundwater monitoring events at the Site will be used as the baseline condition when assessing the effectiveness of the remedial actions.

Request for Review

TRC requests a technical review response from WDNR of this Remedial Action Documentation Report and will provide a $350 review fee.

If there are any questions, please contact me at (312) 909-0043 or via e-mail at charvey@trccompanies.com.

Sincerely,

TRC

Chris Harvey, P.E.
Principal

Attachments: Figure 1: Site Location Map
Figure 2: Site Map
Attachment 1: References
Attachment 2: Professional Certifications
Attachment 3: Field Summary Report for Remedial Services in New Holstein, WI – Redox Tech, LLC
Attachment 4: Inventory of Injection Wells - WDNR Form 3300-253

cc: Mr. Jason Smith/Tecumseh Products Company, LLC. – Ann Arbor, MI (electronic copy)
Mr. Curtis Toll/Greenberg Traurig, LLP - Philadelphia, PA (electronic copy)
Mr. Ron Bock/TRC - Irvine, CA (electronic copy)

Attachment 1: References

New Fields. 2004. *Supplemental Site Investigation for Chromium Contamination, Tecumseh Products Company, New Holstein, Wisconsin*. *January 2004.*

TRC Environmental Corporation. 2006. *Groundwater Monitoring Report and Investigation Work Plan, Tecumseh Power Company, Former Plating Line, New Holstein, Wisconsin. December2006.*

TRC. 2009. *Site Investigation Report. Former Tecumseh Products*, Former Plating Line, New Holstein, Wisconsin. August 2009.

TRC. 2019a. *Groundwater Monitoring Report, Former Tecumseh Products, Former Plating Line Area, New Holstein, Wisconsin.* May 13, 2019.

TRC. 2019b. *Remedial Action Options Report*, *Former Tecumseh Products, Former Plating Line Area.* October 31, 2019.

TRC. 2021. *Remedial Action Plan, Tecumseh Products Company (Former) – Chromium Line*. April 27, 2021.

URS Corporation. 2002. *Site Investigation Report for Groundwater Contamination, TecumsehProducts Company, New Holstein Operations, New Holstein, Wisconsin.* November 21, 2002.

WDNR. 2008. *Letter RE: Proposed Remedial Action Options Report, Tecumseh Products Former Plating Line. December 2, 2008.*

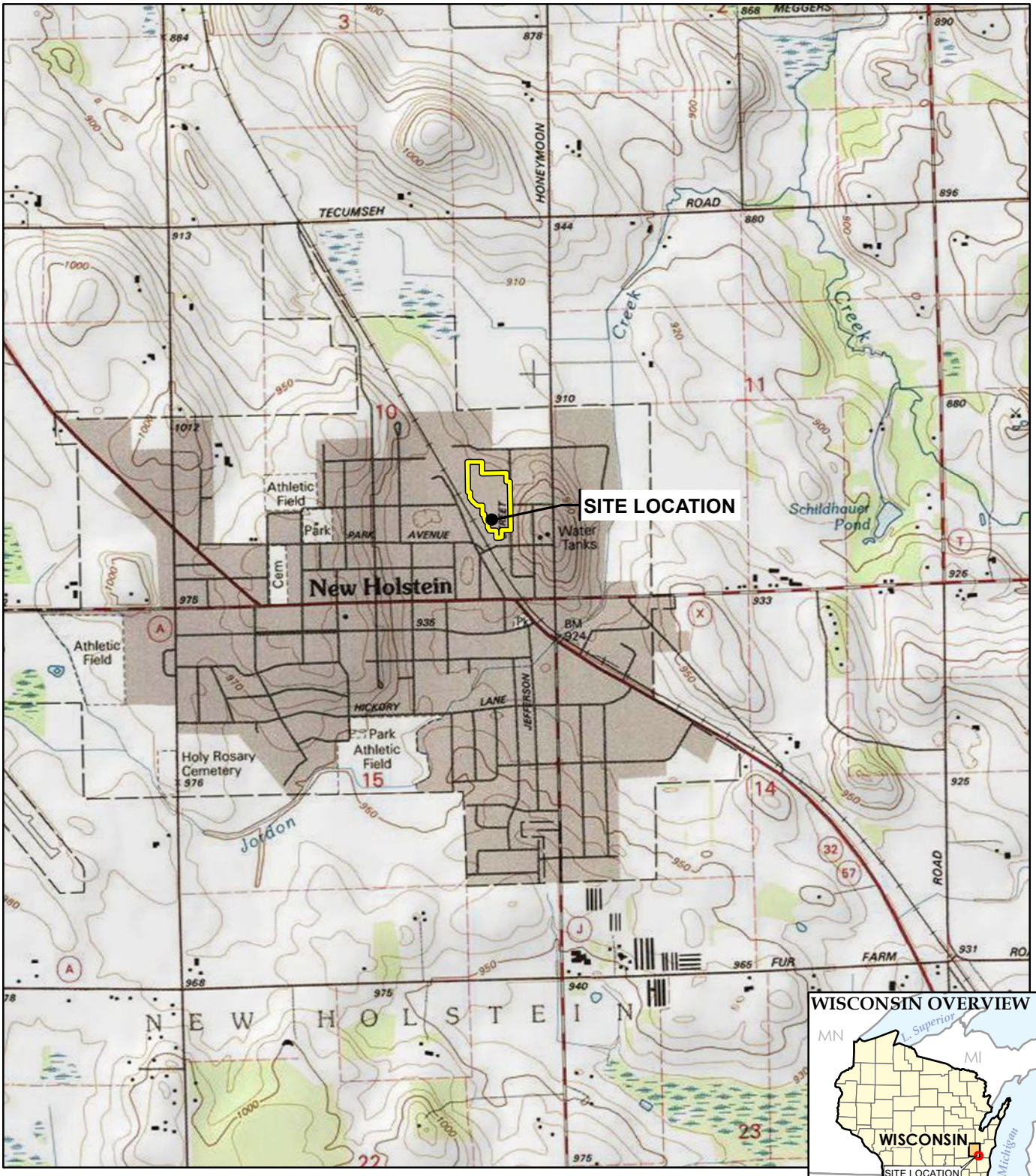
WDNR. 2013. Letter RE: Response to 2013 Annual Groundwater Report, Former TecumsehProducts, Former Plating Area. October 15, 2013

WDNR. 2021. *Response to July 22, 2021 Letters RE Remedial Action Design Report Review and Infiltration/Injection Temporary Exemption Request*. August 13, 2021.

FIGURES

Saved By: RSUEMNICHT on 12/2/2021, 16:07:41 PM

TRC - GIS



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000
FEET

WORKING COPY

TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717
Phone: 608.826.3600

BRRTS #02-08-363333
TECUMSEH PRODUCTS CO. (FORMER) - CHROMIUM LINE
NEW HOLSTEIN, WISCONSIN

FIGURE 1
SITE LOCATION MAP

DRAWN BY:	R. SUEMNICHT
APPROVED BY:	C. HARVEY
PROJECT NO:	107927-200-9300
FILE NO.	107927-200-018slm.mxd
DATE:	DECEMBER 2021

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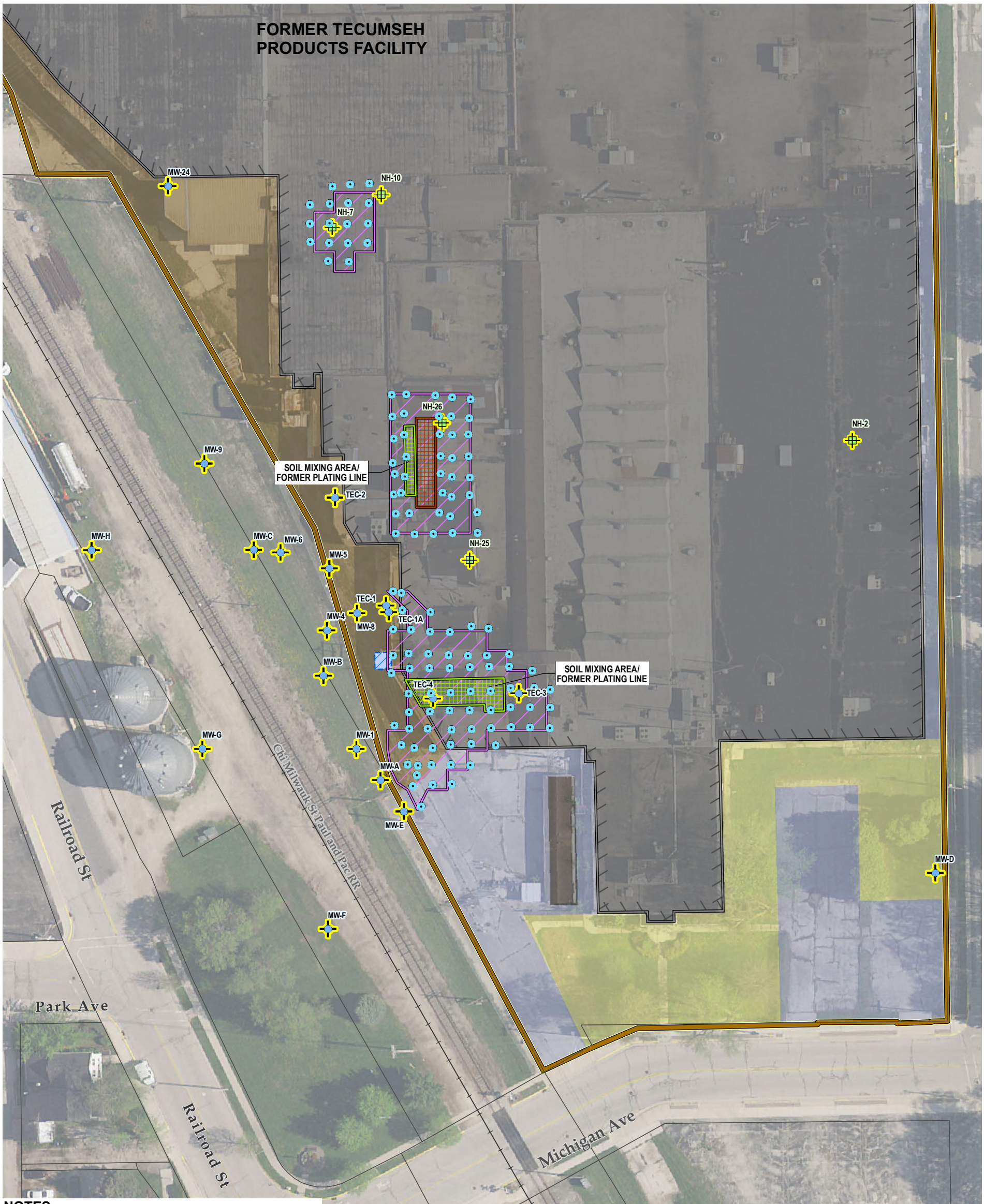

NOTES

1. BASE MAP IMAGERY FROM CALUMET COUNTY, 2018.
2. DEPTH OF INJECTION POINTS WILL BE AT FOUR DEPTHS BEGINNING APPROXIMATELY TWO FEET BELOW GROUNDWATER LEVEL AND AT FIVE-FOOT INTERVALS BELOW THAT DEPTH.
3. SOIL MIXING AREAS WILL HAVE CONCRETE SAWCUT AND THEN SOIL MIXED WITH AN EXCAVATOR TO APPROXIMATELY SIX FT BGS.

LEGEND

- PARCEL BOUNDARY
- INJECTION WELL
- MONITORING WELL (TRC)
- MONITORING WELL (R.E. LEE)
- WELL TO BE PROTECTED DURING DEMOLITION ACTIVITIES
- INJECTION AREA
- SOIL MIXING AREA
- OPEN PIT

CAP COVER TYPES

- EXISTING BUILDING CAP (STRUCTURAL IMPEDIMENT)
- GRASS CAP
- GRAVEL/GRASS CAP
- PAVEMENT CAP
- BUILDING
- FORMER SOIL EXCAVATION AREA (CLEAN BACKFILL)

WORKING COPY

0 60 Feet

1 " = 60 '
1:720

N

PROJECT: **BRRTS #02-08-363333**
TECUMSEH PRODUCTS CO. (FORMER) - CHROMIUM LINE
NEW HOLSTEIN, WISCONSIN

SHEET TITLE: **SITE MAP**

DRAWN BY: R. SUEMNICHT	SCALE: 1: 720	PROJ. NO.	107927-200-9300
CHECKED BY:		FILE NO.	107927-200-019.mxd
APPROVED BY:	DATE PRINTED:		**FIGURE 2**
DATE: DECEMBER 2021			

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

Saved By: RSUEMNICHT on 12/3/2021, 10:00:39 AM
Path: E:\Tecumseh\NH_CrLine\2014_107927_200\107927-200-019.mxd

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

TRC - GIS

Attachment 2: Professional Certifications

Consistent with NR 712.09(1) Wis. Adm. Code that submittals prepared by, or under the supervision of, a professional engineer, a hydrogeologist or a scientist shall be dated and certified by the professional engineer, hydrogeologist or scientist using the appropriate certification:

"I, Meredith Westover, 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."

Meredith Westover, P.G. #1205 (SEAL)

"I, Benjamin Wachholz, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all 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."

Benjamin Wachholz, P.E. #47706-6 (SEAL)

Attachment 3: Field Summary Report for Remedial Services in New Holstein, WI – Redox Tech, LLC

Table 1: Injection Summary Table

Injection Point	Date	Number of Intervals	Solution Injected (gal)	ABC Injected (gal)	ABC Injected (lbs)	Ferrous Sulfate Injected (lbs)
IW-1	11/10/2021	7	270	3	25	228
IW-2	11/9/2021	3	270	3	25	228
IW-3	11/9/2021	6	270	3	25	228
IW-4	11/9/2021	6	270	3	25	228
IW-5	11/9/2021	3	270	3	25	228
IW-6	11/9/2021	3	270	3	25	228
IW-7	11/9/2021	6	270	3	25	228
IW-8	11/9/2021	6	270	3	25	228
IW-9	11/9/2021	6	270	3	25	228
IW-10	11/9/2021	6	270	3	25	228
IW-11	11/9/2021	6	270	3	25	228
IW-12	11/8/2021	6	270	3	25	228
IW-13	11/8/2021	7	270	3	25	228
IW-14	11/9/2021	6	270	3	25	228
IW-15	11/9/2021	6	270	3	25	228
IW-16	11/8/2021	6	270	3	25	228
IW-17	11/8/2021	6	270	3	25	228
IW-18	10/27/2021	7	270	3	25	228
IW-19	10/27/2021	7	270	3	25	228
IW-20	10/28/2021	7	270	3	25	228
IW-21	10/28/2021	7	270	3	25	228
IW-22	10/26/2021	7	270	3	25	228
IW-23	10/28/2021	7	270	3	25	228
IW-24	10/27/2021	7	270	3	25	228
IW-25	10/28/2021	7	270	3	25	228
IW-26	10/28/2021	7	270	3	25	228
IW-27	10/28/2021	7	270	3	25	228
IW-28	10/28/2021	7	270	3	25	228
IW-29	10/27/2021	7	270	3	25	228
IW-30	10/29/2021	7	270	3	25	228
IW-31	10/28/2021	7	270	3	25	228
IW-32	10/28/2021	7	270	3	25	228
IW-33	10/29/2021	6	270	3	25	228
IW-34	10/27/2021	5	270	3	25	228
IW-35	10/29/2021	7	270	3	25	228
IW-36	10/28/2021	7	270	3	25	228
IW-37	10/29/2021	7	270	3	25	228
IW-38	10/29/2021	7	270	3	25	228
IW-39	10/29/2021	7	270	3	25	228
IW-40	10/26/2021	7	270	3	25	228

IW-41	11/1/2021	7	270	3	25	228
IW-42	11/2/2021	7	270	3	25	228
IW-43	10/29/2021	7	270	3	25	228
IW-44	10/29/2021	7	270	3	25	228
IW-45	11/1/2021	6	270	3	25	228
IW-46	10/26/2021	7	270	3	25	228
IW-47	10/26/2021	7	270	3	25	228
IW-48	11/1/2021	6	270	3	25	228
IW-49	11/1/2021	7	270	3	25	228
IW-50	11/1/2021	7	270	3	25	228
IW-51	10/27/2021	7	270	3	25	228
IW-52	11/2/2021	7	270	3	25	228
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IW-54	11/1/2021	7	270	3	25	228
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IW-56	11/1/2021	6	270	3	25	228
IW-57	11/1/2021	6	270	3	25	228
IW-58	11/6/2021	7	270	3	25	228
IW-59	11/5/2021	6	270	3	25	228
IW-60	11/5/2021	6	270	3	25	228
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IW-62	11/6/2021	7	270	3	25	228
IW-63	11/2/2021	6	270	3	25	228
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IW-65	11/2/2021	6	270	3	25	228
IW-66	11/3/2021	5	270	3	25	228
IW-67	11/3/2021	5	270	3	25	228
IW-68	11/6/2021	5	270	3	25	228
IW-69	11/3/2021	6	270	3	25	228
IW-70	11/3/2021	5	270	3	25	228
IW-71	11/3/2021	5	270	3	25	228
IW-72	11/3/2021	5	270	3	25	228
IW-73	11/3/2021	5	270	3	25	228
IW-74	11/3/2021	5	270	3	25	228
IW-75	11/6/2021	6	270	3	25	228
IW-76	11/4/2021	4	270	3	25	228
IW-77	11/4/2021	4	270	3	25	228
IW-78	11/4/2021	4	270	3	25	228
IW-79	11/4/2021	4	270	3	25	228
IW-80	11/4/2021	4	270	3	25	228
IW-81	11/3/2021	5	270	3	25	228
IW-82	11/3/2021	4	270	3	25	228
IW-83	11/7/2021	7	270	3	25	228
IW-84	11/2/2021	5	270	3	25	228
IW-85	11/2/2021	5	270	3	25	228
IW-86	11/2/2021	4	270	3	25	228

IW-87	11/2/2021	4	270	3	25	228
IW-88	11/7/2021	4	270	3	25	228
IW-89	11/4/2021	4	270	3	25	228
IW-90	11/4/2021	4	270	3	25	228
IW-91	11/7/2021	5	270	3	25	228
IW-92	11/5/2021	5	270	3	25	228
IW-93	11/5/2021	4	270	3	25	228
IW-94	11/5/2021	4	270	3	25	228
IW-95	11/5/2021	4	270	3	25	228
IW-96	11/5/2021	4	270	3	25	228
IW-97	11/6/2021	4	270	3	25	228
IW-98	11/5/2021	4	270	3	25	228
IW-99	11/7/2021	4	270	3	25	228
IW-100	11/7/2021	4	270	3	25	228
IW-101	11/7/2021	7	270	3	25	228
IW-102	11/5/2021	4	270	3	25	228
IW-103	11/5/2021	4	270	3	25	228
IW-104	11/6/2021	4	270	3	25	228
IW-105	11/5/2021	4	270	3	25	228
IW-106	11/6/2021	4	270	3	25	228
IW-107	11/6/2021	4	270	3	25	228
IW-108	11/7/2021	5	270	3	25	228
IW-109	11/7/2021	5	270	3	25	228
IW-110	11/7/2021	4	270	3	25	228
IW-111	11/5/2021	4	270	3	25	228
IW-112	11/6/2021	4	270	3	25	228
IW-113	11/6/2021	4	270	3	25	228
IW-114	11/7/2021	4	270	3	25	228
IW-115	11/7/2021	5	270	3	25	228
IW-116	11/8/2021	5	270	3	25	228
IW-117	11/7/2021	4	270	3	25	228
IW-118	11/8/2021	4	270	3	25	228
IW-119	11/8/2021	5	270	3	25	228
IW-120	11/7/2021	6	270	3	25	228
IW-121	11/8/2021	5	270	3	25	228
IW-122	11/8/2021	4	270	3	25	228
IW-123	11/8/2021	4	270	3	25	228

Totals	**33,210**	**369**	**3,100**	**28,000**

Table 2: In Situ Soil Blending Summary Table

Cell	Date Completed	Area (ft^2)	Target Depth	Sacks of Ferrous Sulfate	Ferrous Sulfate (lbs)	ABC (lbs)	ABC & Ferrous Sulfate (lbs)	ABC (gal)	ABC Solution (gal)
1	11/8/2021	147	0-6	1.5	3,000	289.3	3,289.3	36.5	236.5
2	11/8/2021	147	0-6	1.5	3,000	289.3	3,289.3	36.5	236.5
3	11/9/2021	378	0-6	1.5	3,000	336.2	3,336.2	41	266.0
4	11/9/2021	346.5	0-6	2.5	5,000	552.6	5,552.6	68	448.0
5	11/9/2021	346.5	0-6	2.5	5,000	552.6	5,552.6	68	448.0
6	11/9/2021	273	0-6	2.5	5,000	598.6	5,598.6	73	473.0
TOTAL	**N/A**	**1,638**	**N/A**	**12**	**24,000**	**2,619**	**26,619**	**323**	**2,108**

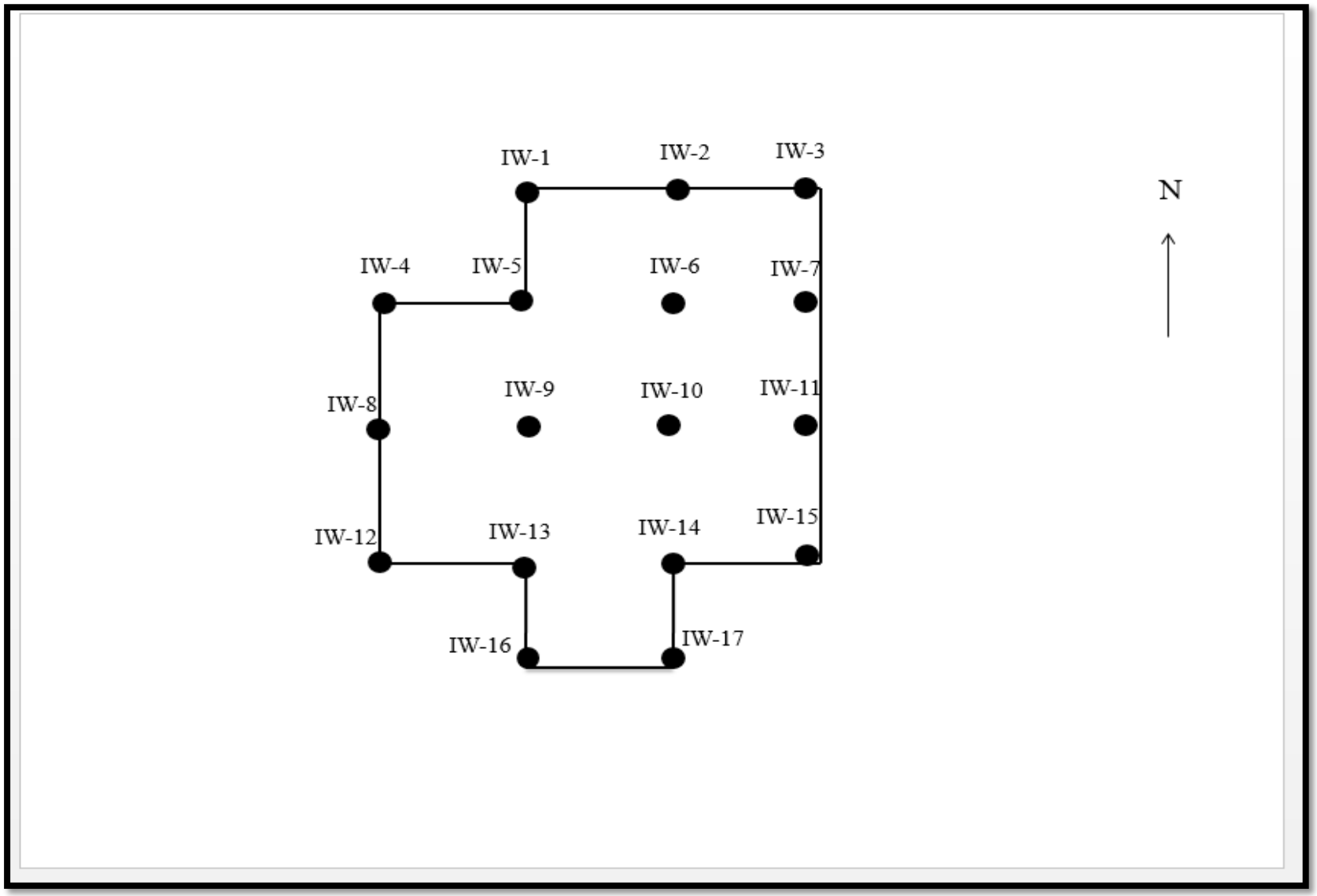

Figure 1: Injection Map NH-10 and NH-7

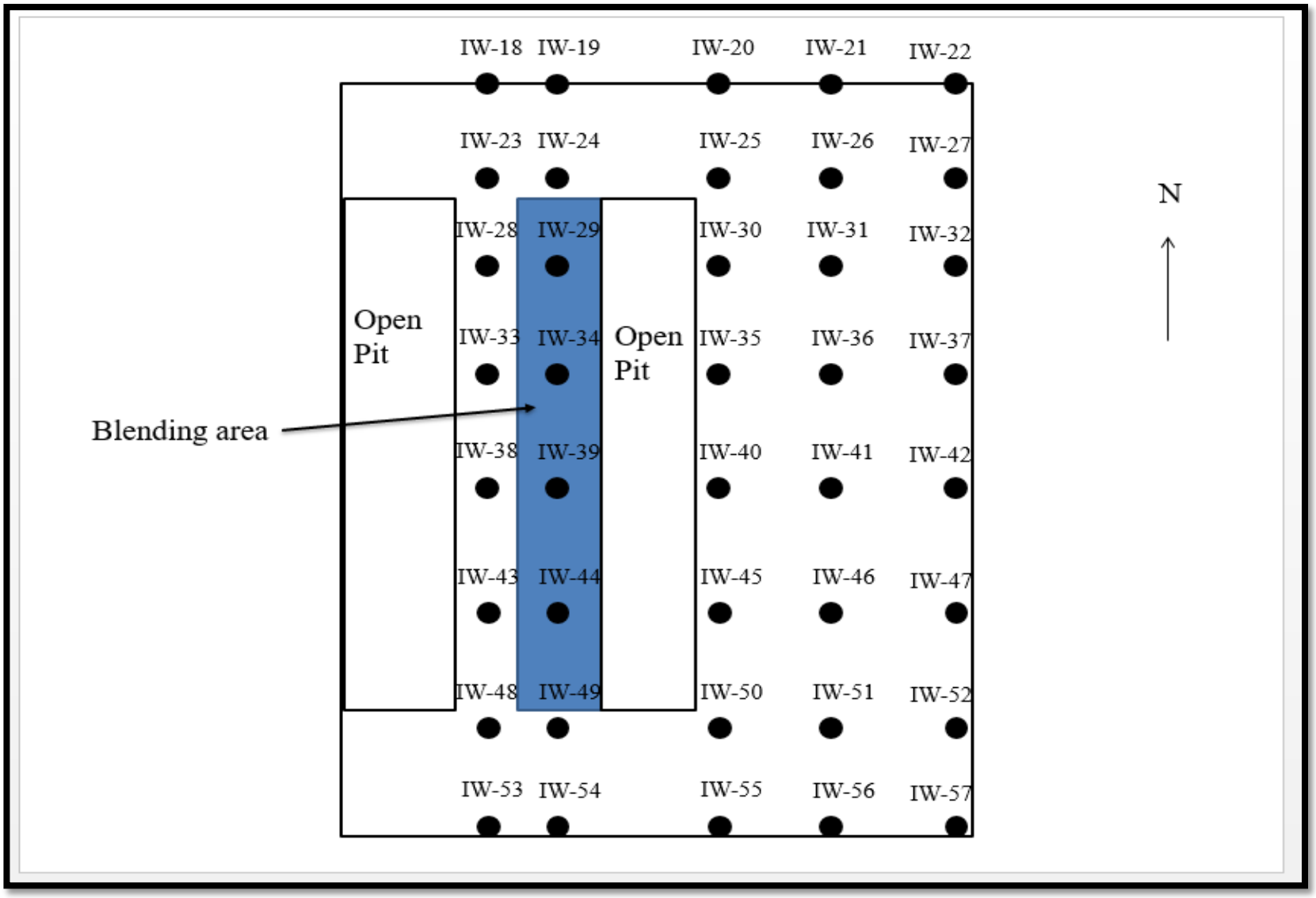

Figure 2: Injection Map NH-26 and NH-25

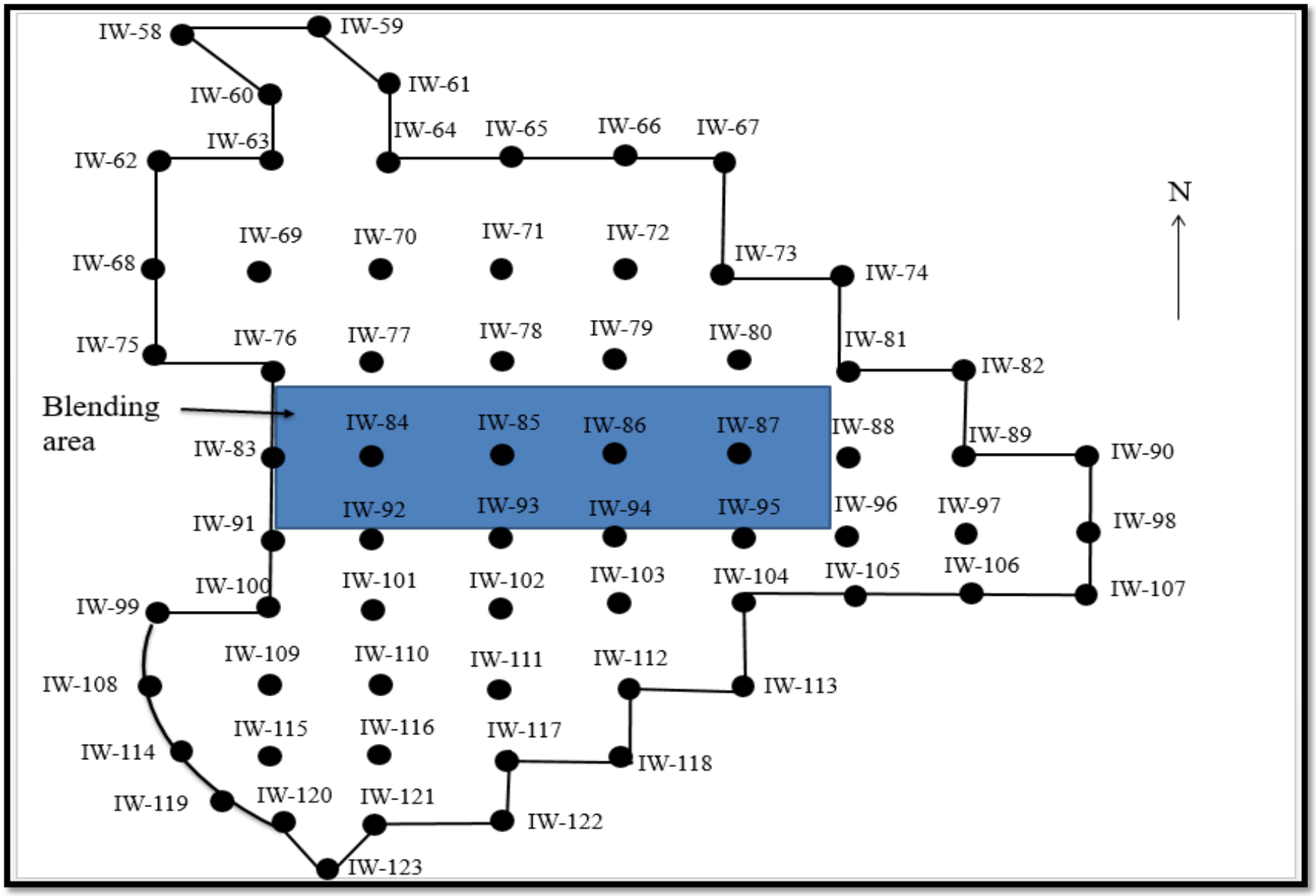

Figure 3: Injection Map TEC-4 and TEC-3

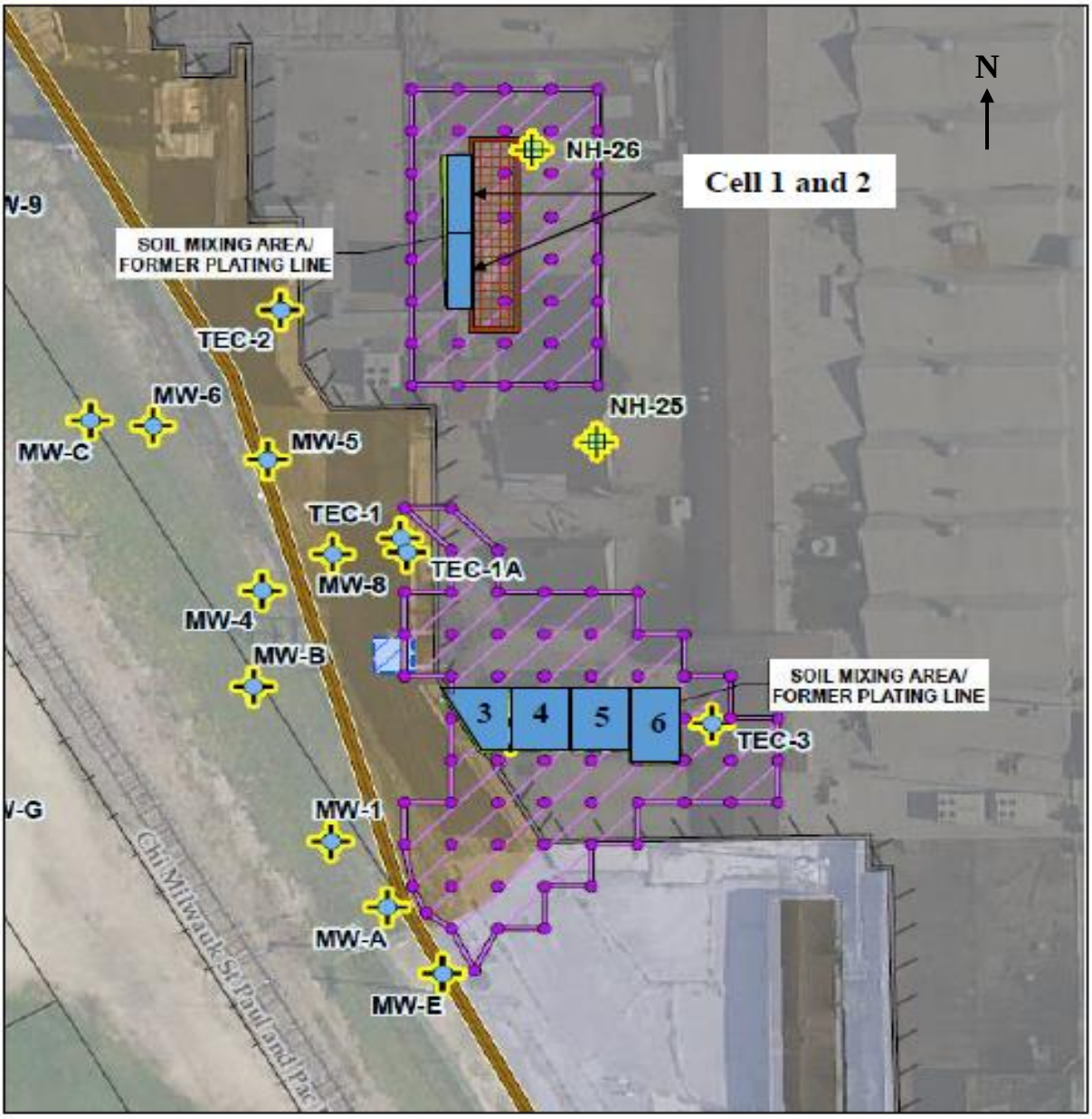

Figure 4. Blending Layout

Redox Tech Data Collection Sheet

Date:	10/26/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
1333	1433	347.5
1433	1533	192.5
1533	1633	463
1633	1733	77

Total Injected Solution	1,080

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
925	1025	192.5
1025	1125	347.5
1125	1225	0
1225	1325	290
1325	1425	250
1425	1525	19.25
1525	1625	520.75

Total Injected Solution	1,620

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
753	853	540
853	953	192.5
953	1053	347.5
1053	1153	385.5
1153	1253	154.5
1253	1353	270
1353	1453	270
1453	1553	540

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
744	844	462
844	944	115.5
944	1044	462
1044	1144	115.5
1144	1244	462
1244	1344	427.5
1344	1444	115.5

Total Injected Solution	2,160

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
900	1000	501
1000	1100	309.5
1100	1200	270
1200	1300	270
1300	1400	309.5
1400	1500	540
1500	1600	424
1600	1700	76

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
817	917	540
917	1017	115.5
1017	1117	424.5
1117	1217	270
1217	1317	270
1317	1417	308.5
1417	1517	231.5
1517	1617	540

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
839	939	540
939	1039	231.5
1039	1139	308.5
1139	1239	424
1239	1339	116
1339	1439	308.5
1439	1539	347
1539	1639	193.5
1639	1739	231

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
805	905	500
905	1005	270
1005	1105	310
1105	1205	0
1205	1305	343
1305	1405	197
1405	1505	424.5
1505	1605	115.5

Total Injected Solution	2,160

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
747	847	540
847	947	154
947	1047	386
1047	1147	154
1147	1247	386
1247	1347	300
1347	1447	585
1447	1547	195
1547	1647	540

Total Injected Solution	3,240

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
850	950	309
950	1050	309
1050	1150	309
1150	1250	153
1250	1350	540
1350	1450	270
1450	1550	270
1550	1650	501.5
1650	1750	38.5

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
841	941	540
941	1041	154
1041	1141	193
1141	1241	193
1241	1341	540
1341	1441	270
1441	1541	405
1541	1641	405

Total Injected Solution	2,700

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
732	832	540
832	932	500.5
932	1032	192.5
1032	1132	382
1132	1232	159
1232	1332	386
1332	1432	270
1432	1532	308.5
1532	1632	501.5

Total Injected Solution	3,240

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
753	853	540
853	953	424
953	1053	346.5
1053	1153	308.5
1153	1253	0
1253	1353	540
1353	1453	347
1453	1553	231.5
1553	1653	502.5

Total Injected Solution	3,240

Redox Tech Data Collection Sheet

Date:	11/10/2021	**Data Taker:**	**Philip Simonton**
Client:	TRC	**Site Name:**	New Holstein, WI TRC
Rig Type:	6610	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Inj. Tool:	Inclosed Trailer	**Fluid Injected**	ABC, Water, and Ferrous Sulfate

Start Time	End Time	Injected Solution (gals)
751	851	270

Total Injected Solution	270

Redox Tech Data Collection Sheet

Date:	11/10/2021	**Page No:**	**1**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-1		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	759	804	5	7.70	100	38.5	
23	854	859	5	7.70	80	38.5	
21	859	811	2	19.25	70	38.5	Break rod
19	812	815	3	12.83	60	38.5	
17	815	820	5	7.70	60	38.5	Break rod
15	822	830	8	4.81	50	38.5	
13	830	851	21	1.83	50	38.5	50 gal of rinse water

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**2**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-2		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
17	1612	1620	8	14.44	100	115.5	Triple up/Break rod
15	1621	1627	6	12.83	80	77	Double up
13	1627	1634	7	11.00	40	77	Double up

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**3**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-3		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1412	1420	8	9.63	100	77	Doubled up
21	1420	1425	5	7.70	80	38.5	Break rod
19	1428	1433	5	7.70	60	38.5	
17	1433	1437	4	9.63	60	38.5	Break rod
15	1438	1442	4	9.63	60	38.5	
13	1442	1445	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**4**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-4		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1110	1114	4	19.25	80	77	Doubled up
21	1114	1116	2	19.25	60	38.5	Break rod
19	1118	1121	3	12.83	60	38.5	
17	1121	1125	4	9.63	50	38.5	Break rod
15	1125	1131	6	6.42	40	38.5	
13	1131	1136	5	7.70	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**5**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-5		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
17	1043	1056	13	8.88	100	115.5	Triple up/Break rod
15	1057	1103	6	12.83	80	77	Double up
13	1103	1108	5	15.40	60	77	Double up

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**6**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-6		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
17	1543	1552	9	12.83	80	115.5	Triple up/Break rod
15	1553	1600	7	11.00	80	77	Double up
13	1600	1608	8	9.63	60	77	Double up

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**7**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-7		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1446	1452	6	12.83	100	77	Doubled up
21	1452	1456	4	9.63	80	38.5	Break rod
19	1458	1503	5	7.70	70	38.5	
17	1503	1507	4	9.63	70	38.5	Break rod
15	1508	1511	3	12.83	70	38.5	
13	1511	1516	5	7.70	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**8**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-8		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	912	921	9	8.56	100	77	Double up
21	921	926	5	7.70	80	38.5	Break rod
19	927	930	3	12.83	70	38.5	
17	930	936	6	6.42	60	38.5	Break rod
15	937	942	5	7.70	60	38.5	
13	942	945	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**9**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-9		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	946	952	6	12.83	80	77	Double up
21	952	956	4	9.63	80	38.5	Break rod
19	1003	1006	3	12.83	70	38.5	
17	1006	1008	2	19.25	60	38.5	Break rod
15	1010	1015	5	7.70	40	38.5	
13	1015	1018	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**10**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-10		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1256	1302	6	12.83	100	77	Doubled up
21	1302	1306	4	9.63	80	38.5	Break rod
19	1307	1310	3	12.83	70	38.5	
17	1310	1313	3	12.83	70	38.5	Break rod
15	1315	1318	3	12.83	70	38.5	
13	1318	1320	2	19.25	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**11**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-11		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1323	1328	5	15.40	100	77	Doubled up
21	1329	1334	5	7.70	80	38.5	Break rod
19	1336	1339	3	12.83	80	38.5	
17	1339	1342	3	12.83	80	38.5	Break rod
15	1345	1348	3	12.83	60	38.5	
13	1348	1351	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**12**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-12		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1527	1536	9	8.56	80	77	Daylighting by the rods/ Double up
21	1536	1540	4	9.63	50	38.5	Break rod/ Daylighting continued
19	1544	1547	3	12.83	50	38.5	
17	1547	1552	5	7.70	50	38.5	Break rod
15	1554	1558	4	9.63	30	38.5	
13	1558	1602	4	9.63	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**13**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-13		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1605	1608	3	12.83	100	38.5	
23	1608	1613	5	7.70	80	38.5	
21	1613	1616	3	12.83	80	38.5	Break rod
19	1617	1620	3	12.83	70	38.5	
17	1620	1623	3	12.83	50	38.5	Break rod
15	1626	1629	3	12.83	40	38.5	
13	1629	1631	2	19.25	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**14**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-14		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	754	801	7	11.00	100	77	Doubled up
21	801	806	5	7.70	80	38.5	Break rod
19	808	810	2	19.25	70	38.5	
17	810	813	3	12.83	70	38.5	Break rod
15	815	819	4	9.63	60	38.5	
13	819	822	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/9/2021	**Page No:**	**15**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-15		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	825	830	5	15.40	80	77	Doubled up
21	830	834	4	9.63	70	38.5	Break rod
19	836	839	3	12.83	60	38.5	
17	839	942	3	12.83	60	38.5	Break rod
15	843	846	3	12.83	60	38.5	
13	846	849	3	12.83	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**16**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-16		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1437	1442	5	15.40	80	77	Doubled up
21	1442	1446	4	9.63	80	38.5	Break rod
19	1448	1451	3	12.83	60	38.5	
17	1451	1455	4	9.63	40	38.5	Break rod
15	1456	1500	4	9.63	40	38.5	
13	1500	1502	2	19.25	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**17**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-10 and NH-7
Point Names:	IW-17		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1400	1407	7	11.00	80	77	Double up
21	1407	1409	2	19.25	70	38.5	Break rod
19	1414	1419	5	7.70	70	38.5	Daylighting from the rods
17	1419	1423	4	9.63	60	38.5	Break rod
15	1425	1428	3	12.83	50	38.5	Daylighting from the rods
13	1428	1431	3	12.83	30	38.5	Daylighting from the rods

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**18**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-18		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1524	1528	4	9.63	80	38.5	
23	1528	1532	4	9.63	80	38.5	
21	1532	1536	4	9.63	80	38.5	Break rod
19	1539	1542	3	12.83	80	38.5	
17	1542	1545	3	12.83	80	38.5	Break rod
15	1548	1551	3	12.83	60	38.5	
13	1551	1554	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**19**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-19		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1555	1558	3	12.83	100	38.5	
23	1558	1601	3	12.83	80	38.5	
21	1601	1605	4	9.63	80	38.5	Break rod
19	1607	1610	3	12.83	60	38.5	
17	1610	1613	3	12.83	60	38.5	Break rod
15	1613	1616	3	12.83	60	38.5	
13	1616	1619	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**20**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-20		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	825	829	4	9.63	100	38.5	
23	0829	833	4	9.63	80	38.5	
21	0833	836	3	12.83	80	38.5	Break rod
19	0838	841	3	12.83	60	38.5	
17	0841	844	3	12.83	60	38.5	Break rod
15	0844	849	5	7.70	60	38.5	
13	0849	851	2	19.25	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**21**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-21		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1000	1004	4	9.63	100	38.5	
23	1004	1008	4	9.63	80	38.5	
21	1008	1011	3	12.83	60	38.5	Break rod
19	1013	1016	3	12.83	60	38.5	
17	1016	1020	4	9.63	60	38.5	Break rod
15	1022	1024	2	19.25	40	38.5	
13	1024	1026	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/26/2021	**Page No:**	**22**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-22		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1333	1343	10	3.85	80	38.5	
23	1343	1347	4	9.63	70	38.5	
21	1353	1357	4	9.63	70	38.5	Break rod
19	1357	1341	4	9.63	70	38.5	
17	1341	1344	3	12.83	70	38.5	
15	1408	1411	3	12.83	70	38.5	Break rod
13	1411	1414	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**23**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-23		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	753	757	4	9.63	100	38.5	
23	757	801	4	9.63	80	38.5	
21	801	804	3	12.83	80	38.5	Break rod
19	806	810	4	9.63	60	38.5	
17	810	814	4	9.63	60	38.5	Break rod
15	814	818	4	9.63	60	38.5	
13	818	823	5	7.70	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**24**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-24		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1248	1251	3	12.83	80	38.5	
23	1251	1256	5	7.70	70	38.5	
21	1256	1300	4	9.63	70	38.5	Break rod
19	1303	1306	3	12.83	70	38.5	
17	1306	1310	4	9.63	70	38.5	Break rod
15	1314	1317	3	12.83	70	38.5	
13	1317	1319	2	19.25	70	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**25**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-25		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1053	1057	4	9.63	100	38.5	
23	1057	1101	4	9.63	80	38.5	
21	1101	1104	3	12.83	80	38.5	Break rod
19	1114	1118	4	9.63	70	38.5	
17	1118	1122	4	9.63	70	38.5	Break rod
15	1124	1127	3	12.83	60	38.5	
13	1127	1130	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**26**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-26		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1141	1146	5	7.70	100	38.5	
23	1146	1151	5	7.70	70	38.5	
21	1151	1154	3	12.83	60	38.5	Break rod
19	1156	1159	3	12.83	60	38.5	
17	1159	1202	3	12.83	60	38.5	Break rod
15	1203	1205	2	19.25	60	38.5	
13	1205	1208	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**27**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-27		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1321	1326	5	7.70	80	38.5	
23	1326	l330	4	9.63	60	38.5	
21	1330	1334	4	9.63	60	38.5	Break rod
19	1339	1342	3	12.83	60	38.5	
17	1342	1346	4	9.63	60	38.5	Break rod
15	1348	1351	3	12.83	60	38.5	
13	1351	1354	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**28**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-28		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	915	920	5	7.70	100	38.5	
23	0920	924	4	9.63	80	38.5	
21	924	930	6	6.42	60	38.5	Break rod
19	932	936	4	9.63	60	38.5	Daylighting
17	936	940	4	9.63	60	38.5	Break rod/Daylighting by rods
15	941	945	4	9.63	60	38.5	
13	945	950	5	7.70	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**29**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-29		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1053	1056	3	12.83	80	38.5	
23	1056	1059	3	12.83	80	38.5	
21	1059	1103	4	9.63	60	38.5	Break rod/ Daylighting
19	1106	1109	3	12.83	50	38.5	Daylighting
17	1109	1113	4	9.63	50	38.5	Daylighting/Break rod
15	1116	1120	4	9.63	50	38.5	
13	1121	1123	2	19.25	50	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**30**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-30		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1015	1018	3	12.83	80	38.5	
23	1018	1022	4	9.63	80	38.5	
21	1022	1025	3	12.83	60	38.5	Break rod
19	1029	1032	3	12.83	60	38.5	
17	1032	1035	3	12.83	60	38.5	Break rod
15	1037	1041	4	9.63	40	38.5	
13	1041	1044	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**31**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-31		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1453	1457	4	9.63	100	38.5	
23	1457	1501	4	9.63	70	38.5	
21	1501	1506	5	7.70	60	38.5	Break rod/ Daylighting by rod
19	1507	1511	4	9.63	60	38.5	Daylighting by rod
17	1511	1514	3	12.83	60	38.5	Break rod/ Daylighting by rod
15	1517	1519	5	7.70	50	38.5	
13	1519	1522	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**32**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-32		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1359	1402	3	12.83	80	38.5	
23	1402	1406	4	9.63	80	38.5	
21	1406	1409	3	12.83	60	38.5	Break rod
19	1411	1414	3	12.83	60	38.5	
17	1414	1416	2	19.25	50	38.5	Break rod
15	1418	1421	3	12.83	40	38.5	
13	1421	1424	3	12.83	30	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**33**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-33		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	932	941	9	8.56	100	77	Double up
21	941	945	4	9.63	80	38.5	Break rod
19	953	956	3	12.83	60	38.5	
17	0956	959	3	12.83	60	38.5	Break rod
15	1001	1005	4	9.63	50	38.5	
13	1005	1008	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**34**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-34		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	925	955	30	2.57	100	77	Hit refusal at 22/ Double up
19	0959	1017	16	4.81	100	77	Break rod/Double up
17	1017	1023	6	6.42	90	38.5	Break rod
15	1026	1031	5	7.70	90	38.5	
13	1031	1034	3	12.83	90	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**35**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-35		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1333	1337	4	9.63	80	38.5	
23	1337	1341	4	9.63	80	38.5	
21	1341	1345	4	9.63	60	38.5	Break rod
19	1348	1350	2	19.25	60	38.5	
17	1350	1352	2	19.25	60	38.5	Break rod
15	1356	1402	6	6.42	40	38.5	
13	1402	1408	6	6.42	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/28/2021	**Page No:**	**36**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-36		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1525	1529	4	9.63	80	38.5	
23	1529	1532	3	12.83	80	38.5	
21	1532	1535	3	12.83	60	38.5	Break rod
19	1537	1540	3	12.83	60	38.5	
17	1540	1542	2	19.25	40	38.5	Break rod
15	1545	1548	3	12.83	40	38.5	
13	1548	1551	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**37**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-37		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1254	1258	4	9.63	80	38.5	
23	1259	1303	4	9.63	80	38.5	
21	1303	1307	4	9.63	80	38.5	Break rod
19	1309	1313	4	9.63	80	38.5	
17	1313	1315	2	19.25	60	38.5	Break rod
15	1320	1323	3	12.83	60	38.5	
13	1323	1327	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**38**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-38		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	0826	829	3	12.83	100	38.5	
23	0829	832	3	12.83	80	38.5	
21	0832	836	4	9.63	70	38.5	Break rod
19	0839	843	4	9.63	70	38.5	
17	0843	845	2	19.25	60	38.5	Break rod
15	847	850	3	12.83	40	38.5	
13	850	852	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**39**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-39		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	744	747	3	12.83	100	38.5	
23	747	751	4	9.63	80	38.5	
21	751	756	5	7.70	80	38.5	Break rod
19	758	803	5	7.70	80	38.5	
17	0803	806	3	12.83	60	38.5	Break rod
15	0809	814	5	7.70	60	38.5	
13	814	818	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/26/2021	**Page No:**	**40**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-40		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1534	1538	4	9.63	100	38.5	Tip was stuck
23	1538	1541	3	12.83	80	38.5	
21	1541	1544	3	12.83	70	38.5	Break rod
19	1546	1550	4	9.63	60	38.5	
17	1550	1554	4	9.63	60	38.5	Break rod
15	1557	1600	3	12.83	60	38.5	
13	1600	1604	4	9.63	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**41**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-41		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1519	1523	4	9.63	80	38.5	
23	1523	1527	4	9.63	80	38.5	
21	1527	1531	4	9.63	80	38.5	Break rod
19	1532	1535	3	12.83	70	38.5	
17	1535	1539	4	9.63	70	38.5	Break rod
15	1540	1543	3	12.83	60	38.5	
13	1543	1547	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**42**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-42		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	847	851	4	9.63	80	38.5	
23	851	854	3	12.83	80	38.5	
21	854	857	3	12.83	80	38.5	Break rod
19	0901	904	3	12.83	80	38.5	
17	0904	907	3	12.83	60	38.5	Break rod
15	0908	910	2	19.25	60	38.5	
13	0910	913	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**43**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-43		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1121	1125	4	9.63	80	38.5	
23	1125	1129	4	9.63	80	38.5	
21	1129	1134	5	7.70	60	38.5	Break rod
19	1137	1141	4	9.63	60	38.5	Daylighting by rods
17	1141	1144	3	12.83	60	38.5	Break rod/ Daylighting by rods
15	1147	1149	2	19.25	40	38.5	Daylighting by rods
13	1149	1151	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/29/2021	**Page No:**	**44**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-44		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1151	1156	5	7.70	80	38.5	
23	1156	1201	5	7.70	60	38.5	Daylighting from IW-43
21	1202	1205	3	12.83	60	38.5	Break rod/ Daylighting
19	1207	1210	3	12.83	60	38.5	
17	1210	1215	5	7.70	60	38.5	Break rod
15	1216	1219	3	12.83	60	38.5	
13	1220	1223	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**45**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-45		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1358	1404	6	12.83	80	77	Doubled up
21	1404	1408	4	9.63	80	38.5	Break rod
19	1412	1415	3	12.83	70	38.5	
17	1415	1419	4	9.63	70	38.5	Break rod
15	1420	1424	4	9.63	70	38.5	
13	1424	1428	4	9.63	70	38.5	

Redox Tech Data Collection Sheet

Date:	10/26/2021	**Page No:**	**46**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-46		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1423	1426	3	12.83	80	38.5	
23	1426	1431	5	7.70	70	38.5	
21	1431	1434	3	12.83	70	38.5	Break rod
19	1437	1440	3	12.83	70	38.5	
17	1440	1443	3	12.83	70	38.5	Break rod
15	1444	1447	3	12.83	60	38.5	
13	1447	1450	3	12.83	45	38.5	

Redox Tech Data Collection Sheet

Date:	10/26/2021	**Page No:**	**47**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-47		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1613	1617	4	9.63	80	38.5	
23	1617	1620	3	12.83	60	38.5	
21	1620	1623	3	12.83	50	38.5	Break rod
19	1626	1630	4	9.63	45	38.5	
17	1630	1634	4	9.63	45	38.5	Break rod
15	1635	1639	4	9.63	40	38.5	
13	1639	1642	3	12.83	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**48**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-48		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1311	1318	7	11.00	80	77	Doubled up
21	1318	1321	3	12.83	70	38.5	Break rod
19	1323	1326	3	12.83	70	38.5	
17	1326	1330	4	9.63	70	38.5	Break rod
15	1331	1333	2	19.25	70	38.5	
13	1333	1335	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**49**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-49		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1104	1107	3	12.83	80	38.5	
23	1107	1111	4	9.63	80	38.5	
21	1111	1114	3	12.83	80	38.5	Break rod
19	1116	1119	3	12.83	80	38.5	
17	1119	1122	3	12.83	60	38.5	Break rods/Daylighting by rods
15	1123	1127	4	9.63	50	38.5	Daylighting by rods
13	1127	1129	2	19.25	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**50**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-50		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1429	1432	3	12.83	80	38.5	
23	1432	1436	4	9.63	80	38.5	
21	1436	1439	3	12.83	80	38.5	Break rod
19	1444	1446	2	19.25	80	38.5	
17	1446	1449	3	12.83	70	38.5	Break rod
15	1452	1455	3	12.83	40	38.5	
13	1455	1457	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	10/27/2021	**Page No:**	**51**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-51		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1323	1327	4	9.63	100	38.5	
23	1327	1335	8	4.81	100	38.5	
21	1335	1339	4	9.63	100	38.5	Break rod
19	1342	1345	3	12.83	80	38.5	
17	1345	1350	5	7.70	80	38.5	Break rod
15	1353	1401	8	4.81	100	38.5	
13	1401	1418	17	2.26	100	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**52**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-52		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	817	821	4	9.63	100	38.5	
23	821	825	4	9.63	80	38.5	
21	825	830	5	7.70	80	38.5	Break rod
19	833	837	4	9.63	80	38.5	
17	837	839	2	19.25	80	38.5	Break rod
15	840	843	3	12.83	80	38.5	
13	843	846	3	12.83	60	38.5	Some daylighting by the rods

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**53**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-53		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	1028	1032	4	9.63	80	38.5	
23	1032	1036	4	9.63	80	38.5	
21	1036	1041	5	7.70	80	38.5	Break rod
19	1045	1049	4	9.63	70	38.5	
17	1049	1051	2	19.25	70	38.5	Break rod
15	1054	1056	2	19.25	70	38.5	
13	1056	1059	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**54**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-54		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	0936	939	3	12.83	80	38.5	
23	0939	943	4	9.63	80	38.5	
21	0943	947	4	9.63	80	38.5	Break rod
19	0950	954	4	9.63	80	38.5	
17	954	956	2	19.25	70	38.5	Break rod
15	958	1000	2	19.25	40	38.5	
13	1000	1003	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**55**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-55		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
25	900	904	4	9.63	80	38.5	
23	0904	908	4	9.63	80	38.5	
21	0908	912	4	9.63	70	38.5	Break rod
19	0915	920	5	7.70	70	38.5	
17	920	925	5	7.70	80	38.5	Break rod
15	927	930	3	12.83	80	38.5	
13	0930	933	3	12.83	80	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**56**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-56		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1158	1207	9	8.56	80	77	Double up
21	1207	1210	3	12.83	70	38.5	Break rod
19	1218	1223	5	7.70	70	38.5	
17	1223	1226	3	12.83	70	38.5	Break rod
15	1230	1232	2	19.25	40	38.5	
13	1232	1235	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/1/2021	**Page No:**	**57**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	NH-26 and NH-25
Point Names:	IW-57		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1548	1555	7	11.00	80	77	Double up
21	1555	1558	3	12.83	80	38.5	Break rod
19	1558	1601	3	12.83	80	38.5	
17	1601	1604	3	12.83	70	38.5	Break rod
15	1608	1610	2	19.25	70	38.5	Daylighting by rods
13	1610	1612	2	19.25	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**58**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-58		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
22	1456	1458	2	19.25	100	38.5	
20	1458	1501	3	12.83	80	38.5	Break rod
18	1504	1508	4	9.63	60	38.5	Daylighting by rods
16	1508	1514	6	6.42	50	38.5	Break rod/Daylighting
14	1520	1523	3	12.83	50	38.5	
12	1523	1526	3	12.83	40	38.5	
10	1526	1528	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**59**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-59		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	747	754	7	11.00	100	77	Doubled up
21	754	758	4	9.63	80	38.5	Break rod
19	800	805	5	7.70	80	38.5	
17	0805	809	4	9.63	80	38.5	Break rod
15	810	814	4	9.63	60	38.5	
13	814	818	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**60**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-60		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	825	832	7	11.00	100	77	Double up
21	832	836	4	9.63	80	38.5	Break rod
19	837	842	5	7.70	70	38.5	
17	842	845	3	12.83	70	38.5	Break rod
15	847	852	5	7.70	70	38.5	
13	852	856	4	9.63	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**61**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-61		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1040	1050	10	7.70	80	77	Doubled up
21	1050	1053	3	12.83	80	38.5	Break rod
19	1055	1058	3	12.83	70	38.5	
17	1058	1101	3	12.83	70	38.5	Break rod
15	1102	1104	2	19.25	70	38.5	
13	1104	1107	3	12.83	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**62**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-62		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
22	1624	1628	4	9.63	100	38.5	
20	1628	1633	5	7.70	60	38.5	Break rod
18	1634	1639	5	7.70	60	38.5	
16	1639	1643	4	9.63	40	38.5	Break rod
14	1645	1648	3	12.83	30	38.5	Daylighting
12	1648	1651	3	12.83	30	38.5	Daylighting
10	1651	1654	3	12.83	20	38.5	Daylighting

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**63**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-63		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1001	1007	6	12.83	80	77	Double up
21	1007	1012	5	7.70	80	38.5	Break rod
19	1014	1017	3	12.83	70	38.5	
17	1017	1021	4	9.63	70	38.5	Break rod
15	1022	1025	3	12.83	70	38.5	
13	1025	1028	3	12.83	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**64**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-64		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1202	1215	13	8.88	100	115.5	Break rod/ Triple up
19	1216	1219	3	12.83	80	38.5	
17	1234	1237	3	12.83	80	38.5	Break rod
15	1240	1242	2	19.25	80	38.5	
13	1242	1244	2	19.25	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**65**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-65		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1134	1143	9	8.56	80	77	Doubled up
21	1143	1147	4	9.63	70	38.5	Break rod
19	1148	1152	4	9.63	70	38.5	
17	1152	1154	2	19.25	70	38.5	Break rod
15	1155	1157	2	19.25	70	38.5	
13	1157	1200	3	12.83	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**66**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-66		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1050	1057	7	11.00	100	77	Break rod/ Double up
19	1059	1104	5	15.40	80	77	Double up
17	1104	1107	3	12.83	60	38.5	Break rod
15	1110	1113	3	12.83	60	38.5	
13	1113	1115	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**67**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-67		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1009	1017	8	9.63	100	77	Break rod
19	1021	1029	8	9.63	80	77	
17	1029	1034	5	7.70	80	38.5	Break rod
15	1036	1039	3	12.83	80	38.5	
13	1039	1042	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**68**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-68		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1415	1424	9	8.56	100	77	Doubled up
16	1424	1434	10	7.70	70	77	Break rod/ Doubled up
14	1438	1442	4	9.63	70	38.5	
12	1442	1447	5	7.70	60	38.5	
10	1447	1450	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**69**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-69		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
23	1142	1149	7	11.00	100	77	Doubled up
21	1149	1155	6	6.42	80	38.5	Break rod
19	1159	1203	4	9.63	80	38.5	
17	1203	1206	3	12.83	70	38.5	Break rod
15	1207	1210	3	12.83	70	38.5	Daylighting by the rods
13	1210	1214	4	9.63	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**70**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-70		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1525	1535	10	7.70	80	77	Break rod
19	1537	1544	7	11.00	60	77	
17	1544	1548	4	9.63	60	38.5	Break rod
15	1550	1554	4	9.63	60	38.5	
13	1554	1558	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**71**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-71		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1355	1403	8	9.63	80	77	Break rod
19	1409	1414	5	15.40	80	77	
17	1414	1419	5	7.70	70	38.5	Break rod
15	1421	1425	5	7.70	60	38.5	
13	1425	1430	5	7.70	40	38.5	Some daylighting by the rods

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**72**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-72		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1437	1445	8	9.63	100	77	Break rod
19	1448	1454	6	12.83	80	77	Blow by at IW-86
17	1454	1457	3	12.83	60	38.5	Break rod/ Blow by continuing
15	1458	1502	4	9.63	50	38.5	
13	1502	1505	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**73**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-73		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1602	1609	7	11.00	100	77	Break rod/ Double up
19	1612	1616	4	19.25	70	77	Double up
17	1616	1620	4	9.63	70	38.5	Break rod
15	1622	1625	3	12.83	50	38.5	
13	1625	1630	5	7.70	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**74**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-74		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1219	1231	12	6.42	100	77	Break rod/ Doubled up/ Blow by to IW-81
19	1234	1240	6	12.83	80	77	
17	1240	1244	4	19.25	80	77	Break rod
15	1248	1251	3	12.83	80	38.5	
13	1251	1254	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**75**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-75		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
20	1548	1558	10	7.70	100	77	Slight Daylighting/Doubled up/Break rod
18	1559	1604	4	9.63	70	38.5	Daylighting
16	1604	1610	6	6.42	60	38.5	Break rod/Daylighting
14	1613	1616	3	12.83	30	38.5	Daylighting
12	1616	1618	2	19.25	30	38.5	Daylighting
10	1618	1621	3	12.83	30	38.5	Daylighting

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**76**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-76		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	0936	945	9	8.56	100	77	Doubled up
17	945	953	8	9.63	80	77	Break rod/ Double up
15	957	1005	8	9.63	70	77	Doubled up
13	1005	1009	4	9.63	60	38.5	Daylighting by the rods

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**77**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-77		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	805	813	8	9.63	80	77	Doubled up
17	813	823	10	7.70	80	77	Break rod/Doubled up/ Daylighting
15	827	833	6	12.83	70	77	Doubled up
13	833	835	2	19.25	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**78**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-78		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	840	848	8	9.63	80	77	Doubled up
17	848	854	6	12.83	80	77	Doubled up/ Break rod
15	856	904	8	9.63	60	77	Doubled up
13	0904	908	4	9.63	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**79**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-79		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1015	1024	9	8.56	80	77	Doubled up/ Daylighting
17	1024	1030	6	12.83	80	77	Doubled up/ Break rod
15	1034	1039	5	15.40	50	77	Doubled up
13	1039	1044	5	7.70	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**80**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-80		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1205	1213	8	9.63	100	77	Doubled up
17	1213	1221	8	9.63	80	77	Break rod/ Doubled up
15	1223	1229	6	12.83	70	77	Doubled up
13	1229	1234	5	7.70	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**81**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-81		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	910	917	7	11.00	100	77	Break rod/ Double up
19	923	930	7	11.00	80	77	Double up
17	930	933	3	12.83	50	38.5	Break rod
15	934	936	2	19.25	40	38.5	
13	936	940	4	9.63	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/3/2021	**Page No:**	**82**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-82		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	839	848	9	8.56	100	77	Double up
17	848	856	8	9.63	80	77	Break rod/ Double up
15	858	903	5	15.40	80	77	Double up
13	0903	906	3	12.83	80	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**83**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-83		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
22	841	846	5	7.70	80	38.5	
20	846	850	4	9.63	60	38.5	Break rod
18	852	856	4	9.63	60	38.5	
16	856	900	4	9.63	60	38.5	Break rod
14	903	907	4	9.63	40	38.5	
12	907	910	3	12.83	40	38.5	Daylighting
10	910	913	3	12.83	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**84**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-84		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1410	1418	8	14.44	80	115.5	Triple up/ Break rod
19	1423	1426	3	12.83	60	38.5	
17	1426	1429	3	12.83	60	38.5	Break rod
15	1434	1438	4	9.63	60	38.5	
13	1438	1442	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**85**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-85		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1335	1349	14	8.25	80	115.5	Triple up/ Break rod
19	1351	1354	3	12.83	80	38.5	
17	1354	1357	3	12.83	60	38.5	Break rod
15	1358	1401	3	12.83	60	38.5	
13	1401	1404	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**86**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-86		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1543	1552	9	8.56	80	77	Double up
17	1552	1600	8	9.63	80	77	Break rod/ Double up
15	1601	1606	5	15.40	60	77	Double up
13	1606	1609	3	12.83	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/2/2021	**Page No:**	**87**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-87		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1509	1517	8	9.63	80	77	Double up
17	1517	1526	9	8.56	80	77	Break rod/ Double up
15	1528	1534	6	12.83	60	77	Double up
13	1534	1538	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**88**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-88		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1258	1305	7	11.00	80	77	Doubled up
17	1305	1311	6	12.83	80	77	Doubled up/ Break rod
15	1312	1318	6	12.83	80	77	Doubled up
13	1318	1320	2	19.25	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**89**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-89		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1450	1457	7	11.00	100	77	Doubled up
17	1457	1504	7	11.00	80	77	Doubled up/ Break rod
15	1506	1511	5	15.40	80	77	Doubled up
13	1511	1513	2	19.25	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/4/2021	**Page No:**	**90**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-90		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1357	1412	15	5.13	100	77	Doubled up
17	1412	1427	15	5.13	80	77	Doubled up/ Break rod
15	1427	1438	11	7.00	80	77	Doubled up
13	1438	1444	6	6.42	100	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**91**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-91		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1242	1249	7	11.00	100	77	Doubled up
16	1249	1257	8	9.63	80	77	Break rod/ Double up/ Daylighting
14	1259	1302	3	12.83	50	38.5	Daylighting
12	1302	1306	4	9.63	50	38.5	Daylighting
10	1306	1308	2	19.25	40	38.5	Daylighting

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**92**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-92		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
21	1438	1443	5	15.40	100	77	Doubled up
19	1444	1454	10	7.70	80	77	Doubled up/Break rod
17	1456	1459	3	12.83	80	38.5	Break rod
15	1501	1504	3	12.83	60	38.5	
13	1504	1507	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**93**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-93		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1314	1320	6	12.83	100	77	Doubled up
17	1320	1329	9	8.56	80	77	Break rod/ Double up
15	1332	1338	6	12.83	70	77	Doubled up
13	1338	1341	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**94**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-94		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1344	1348	4	19.25	80	77	Doubled up
17	1348	1351	3	25.67	75	77	Doubled up/ Brake rod
15	1353	1355	3	25.67	70	77	Doubled up
13	1355	1400	5	7.70	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**95**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-95		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1157	1206	9	8.56	100	77	Double up
17	1206	1212	6	12.83	80	77	Break rod/ Double up
15	1216	1223	7	11.00	70	77	Double up
13	1223	1226	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**96**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-96		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1012	1019	7	11.00	100	77	Doubled up
17	1019	1023	4	19.25	80	77	Doubled up/ Brake rod
15	1025	1031	6	12.83	70	77	Doubled up
13	1031	1035	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**97**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-97		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	923	931	8	9.63	100	77	Double up
17	931	939	8	9.63	80	77	Break rod/ Double up
15	941	946	5	15.40	70	77	Double up
13	946	950	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**98**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-98		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	936	942	6	12.83	80	77	Doubled up
17	942	947	5	15.40	80	77	Break rod/ Double up
15	950	957	7	11.00	70	77	Doubled up
13	957	1001	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**99**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-99		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1312	1318	6	12.83	80	77	Doubled up/Brake rod
14	1319	1324	5	15.40	70	77	Doubled up
12	1324	1331	7	11.00	60	77	Doubled up
10	1331	1335	4	9.63	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**100**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-100		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1020	1030	10	7.70	100	77	Doubled up/Break rod
14	1030	1045	15	5.13	100	77	Double up
12	1124	1134	10	7.70	100	77	Doubled up
10	1134	1136	2	19.25	60	38.5	Daylighting

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**101**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-101		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
22	914	918	4	9.63	80	38.5	
20	918	922	4	9.63	80	38.5	Break rod
18	926	929	3	12.83	60	38.5	
16	929	934	5	7.70	40	38.5	Break rod
14	935	938	3	12.83	40	38.5	
12	938	941	3	12.83	30	38.5	
10	941	944	3	12.83	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**102**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-102		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1513	1520	7	11.00	100	77	Doubled up
17	1520	1526	6	12.83	80	77	Doubled up/ Break rod
15	1527	1533	6	12.83	60	77	Doubled up
13	1533	1536	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**103**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-103		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1604	1609	5	15.40	100	77	Doubled up
17	1609	1617	8	9.63	80	77	Doubled up/ Brake rod
15	1618	1624	6	12.83	80	77	Doubled up
13	1624	1630	6	6.42	80	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**104**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-104		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1258	1304	6	12.83	100	77	Doubled up
17	1304	1309	5	15.40	80	77	Break rod/ Double up
15	1310	1316	6	12.83	70	77	Doubled up
13	1316	1322	6	6.42	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**105**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-105		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1127	1137	10	7.70	100	77	Doubled up
17	1137	1145	8	9.63	80	77	Break rod/ Double up
15	1145	1150	5	15.40	80	77	Doubled up
13	1150	1153	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**106**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-106		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1110	1117	7	11.00	100	77	Doubled up
17	1117	1124	7	11.00	80	77	Doubled up/Break rod
15	850	922	32	2.41	100	77	Doubled up
13	1128	1132	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**107**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-107		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	953	958	5	15.40	100	77	Doubled up
17	958	1000	2	38.50	80	77	Break rod/ Double up
15	1001	1034	33	2.33	80	77	Doubled up
13	1034	1038	4	9.63	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**108**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-108		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1601	1605	4	19.25	80	77	Doubled up
16	1605	1610	5	15.40	80	77	Break rod/ Double up
14	1612	1616	4	9.63	40	38.5	
12	1616	1618	2	19.25	30	38.5	Daylighting
10	1618	1621	3	12.83	20	38.5	Daylighting

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**109**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-109		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1441	1447	6	12.83	80	77	Doubled up
16	1447	1451	4	19.25	80	77	Break rod/ Double up
14	1453	1455	2	19.25	60	38.5	
12	1455	1459	4	9.63	40	38.5	
10	1459	1503	4	9.63	30	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**110**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-110		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1414	1420	6	12.83	80	77	Break rod/ Double up
14	1422	1429	7	11.00	60	77	Doubled up
12	1429	1436	7	11.00	70	77	Doubled up
10	1436	1439	3	12.83	70	38.5	

Redox Tech Data Collection Sheet

Date:	11/5/2021	**Page No:**	**111**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-111		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1632	1638	6	12.83	100	77	Doubled up
17	1638	1643	5	15.40	80	77	Break rod/ Double up
15	1644	1647	3	25.67	70	77	Doubled up
13	1647	1653	7	5.50	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**112**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-112		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1047	1053	6	12.83	100	77	Doubled up
17	1053	1057	4	19.25	80	77	Break rod/ Double up
15	1059	1104	5	15.40	80	77	Doubled up
13	1104	1107	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/6/2021	**Page No:**	**113**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-113		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
19	1231	1238	7	11.00	100	77	Doubled up
17	1238	1145	7	11.00	80	77	Break rod/ Double up
15	1249	1254	5	15.40	80	77	Doubled up
13	1254	1257	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**114**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-114		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1045	1055	10	7.70	80	77	Break rod/ Double up
14	1057	1102	5	15.40	70	77	Doubled up
12	1102	1107	5	15.40	60	77	Doubled up
10	1107	1110	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**115**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-115		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1523	1529	6	12.83	80	77	Doubled up
16	1529	1536	7	11.00	70	77	Break rod/ Double up
14	1543	1548	5	7.70	40	38.5	
12	1548	1551	3	12.83	40	38.5	
10	1551	1557	6	6.42	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**116**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-116		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	914	918	4	19.25	80	77	Doubled up
16	918	924	6	12.83	70	77	Break rod/ Double up
14	926	929	3	12.83	60	38.5	
12	929	934	5	7.70	50	38.5	
10	934	937	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**117**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-117		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	804	809	5	15.40	80	77	Break rod/ Double up
14	811	817	6	12.83	70	77	Doubled up
12	817	821	4	19.25	60	77	Doubled up
10	821	824	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**118**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-118		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	842	853	11	7.00	80	77	Doubled up
16	853	900	7	11.00	70	77	Break rod/ Double up
14	902	905	3	12.83	60	38.5	
12	0905	908	3	12.83	50	38.5	
10	908	913	5	7.70	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**119**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-119		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	1215	1222	7	11.00	80	77	Doubled up
16	1222	1231	9	8.56	70	77	Break rod/ Double up
14	1233	1237	4	9.63	60	38.5	
12	1237	1240	3	12.83	60	38.5	
10	1240	1243	3	12.83	50	38.5	

Redox Tech Data Collection Sheet

Date:	11/7/2021	**Page No:**	**120**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-120		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
20	1145	1151	6	12.83	100	77	Break rod/ Double up
18	1152	1155	3	12.83	80	38.5	
16	1155	1201	6	6.42	60	38.5	Break rod
14	1201	1206	5	7.70	60	38.5	
12	1208	1211	3	12.83	60	38.5	
10	1211	1215	4	9.63	40	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**121**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-121		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
18	732	739	7	11.00	80	77	Doubled up
16	739	746	7	11.00	80	77	Break rod/ Double up
14	748	752	4	9.63	70	38.5	
12	752	755	3	12.83	60	38.5	
10	755	758	3	12.83	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**122**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-122		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1011	1020	9	8.56	80	77	Break rod/ Double up
14	1023	1032	9	8.56	70	77	Doubled up
12	1032	1040	8	9.63	70	77	Doubled up
10	1040	1042	2	19.25	60	38.5	

Redox Tech Data Collection Sheet

Date:	11/8/2021	**Page No:**	**123**
Client:	TRC	**Data Taker:**	**Philip Simonton**
Rig Type:	6610	**Site Name:**	New Holstein, WI TRC
Inj. Tool:	Bottom Out	**Fluid Conc:**	3 gal ABC, 267 gal Water, and 247 lbs Ferrous Sulfate
Pipe Diam (in):	1.5"	**Area:**	TEC-4 and TEC-3
Point Names:	IW-123		
Fluid Injected:	ABC, Water, and Ferrous Sulfate		

Depth (ft bgs)	Start Time	End Time	Elapsed Time	Flowrate (gpm)	Injection Pressure (psi)	Solution Injected (gal)	Notes (flow change, etc:)
16	1252	1256	4	19.25	100	77	Break rod/ Double up
14	1258	1304	6	12.83	80	77	Doubled up
12	1304	1311	7	11.00	70	77	Doubled up
10	1311	1313	2	19.25	50	38.5	

November 23, 2021

Via Email
Benjamin Wachholz
TRC Companies Inc
708 Heartland Trail.
Madison, WI 53717
Phone: (608) 354-3923
Email: bwachholz@trccompanies.com

RE: Field Summary Report for Remedial Services in New Holstein, WI

Dear Mr. Wachholz,

The following letter provides a brief summary of the field events performed from October 25 through November 10, 2021 at the above referenced site. Redox Tech mobilized to New Holstein, WI for the purpose of addressing impacted soil and groundwater with a combination of ferrous sulfate and Anaerobic BioChem® (ABC). Implementation methods included direct push (DPT) injections as well as in situ soil mixing.

Direct Push Injections

Injection of ABC and ferrous sulfate was conducted via direct push drilling techniques in a total of one hundred and twenty-three (123) injection locations. Redox Tech addressed three separate areas for injections. Seventeen (17) locations were in the vicinity of monitoring wells NH-10 and NH-7, forty (40) locations in the vicinity of monitoring wells NH-26 and NH-25, and sixty-six (66) locations were in the vicinity of monitoring wells TEC-4 and TEC-3. All injection locations targeted a vertical interval of 13 to 25 feet below ground surface (ft bgs) with injections occurring every two feet. Completing injections in this manner helped to ensure that proper vertical distribution was achieved.

Locations surrounding monitoring wells NH-10 and NH-7 received a total of 428 lbs (51 gal) of ABC and 3,859 lbs ferrous sulfate. The ABC and ferrous sulfate were mixed with potable water to form 4,590 gallons of solution and injected. Refusal while drilling was observed at several locations in this area. When refusal was encountered, the solution was reallocated into the remaining intervals for that particular location.

Locations surrounding the NH-26 and NH-25 monitoring wells received a total of 1,008 lbs (120 gal) of ABC and 9,080 lbs ferrous sulfate. The ABC and ferrous sulfate were mixed

with potable water to form 10,800 gallons of solution and injected. Injection locations IW-30, IW-35, IW-40, and IW-45 had to be relocated due to access issues.

Locations surrounding the TEC-4 and TEC-3 monitoring wells received a total of 1,663 lbs (198 gal) ABC and 14,982 lbs ferrous sulfate. The ABC and ferrous sulfate were mixed with potable water to form 17,820 gallons of solution and injected. Bedrock (and refusal while drilling) was observed several feet shallower (between 19 and 21 ft bgs) at various locations in this area. The proposed amount of solution was reallocated into the remaining interval when the desired depth was not achieved. A total of twenty-two (22) locations in this area were located approximately 3 feet below grade. To account for the elevation change, the target depth for these locations was adjusted to 10 to 22 ft bgs. Additional injection specifics, including a summary table and injection location maps for all injection areas, are provided in **Appendix A.**

All boreholes were sealed with granular bentonite upon completion. Borings located on the pavement we repaired with high strength concrete.

In Situ Soil Mixing

In addition to DPT injections, in situ mixing was completed in two separate areas. A total of six cells of various sizes were addressed. Redox Tech mixed 24,000 lbs of ferrous sulfate and 2,649 lbs (323 gal) of ABC to complete the in situ soil mixing portion of the project. Mixing targeted a vertical interval of 0 to 6 ft bgs. The ABC solution was mixed at predetermined amounts and pumped into a given cell. The ferrous sulfate was added as a dry powder using the excavator bucket. Once all amendments were added, Redox Tech's proprietary soil blender mixed the contaminated soils and chemicals until a homogenous mixture was achieved. Additional water was added to aid in the mixing process. Blending specifics, including a map of blending areas, is provided in **Appendix A**.

Crew and equipment were off site by the end of the day on Wednesday November 10. Trash was gathered and placed in an area designated by TRC. If there are any questions regarding the work, please do not hesitate to email me at simonton@redox-tech.com or by phone at (630) 705-0390.

Regards,

Philip Simonton

APPENDIX A

INJECTION LOGS
(INCLUDING SUMMARY TABLE AND SKETCHES)

Attachment 4: Inventory of Injection Wells – WDNR Form 3300-253

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921

Inventory of Injection Wells

Form 3300-253 (5/01)

This information is collected under the authority of the Safe Drinking Water Act.

Notice: Code of Federal Regulations (40 CFR 144.26 Inventory Requirements): owners or operators of all injection wells authorized by rule shall submit inventory information to an approved State Underground Injection Control Program. Personal information collected on this form will be used for inventory purposes. Information will be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32 to 19.39, Wis. Stats.) and requirements.

Date Prepared (Year, Month, Day)	Facility ID Number	Transaction Type (Please check one of the following)
2021, December 3	408020690	☐ Deletion ☐ Entry Change ☒ First Time Entry ☐ Replacement

Facility Name and Location

Last Name	First	MI	Latitude: DEG	MIN	SEC	Longitude: DEG	MIN	SEC
Tecumseh Products Company LLC/ City of New Holstein	BRRTS #02-08-363333		43	57	9.32 N	88	5	10.06 W

Street Address / Route Number	Township	Range	Section	¼ Section
1604 Michigan Avenue	T17 N	R20E	SE	SE

City / Town	State	ZIP Code	County	Tribal Land
New Holstein	WI	53061	Calumet	☐ Yes ☒ No

Legal Contact

Type	Last Name	First	MI	Telephone Number (incl. area code)
☐ Owner ☒ Operator	Smith	Jason		731-644-8127

Organization: Tecumseh Products Company LLC

Street / P.O. Box: 2215 Hwy 69 North

City / Town	State	ZIP Code
Paris	TN	38242

Ownership

☒ Private ☐ County / Local Government
☐ State ☐ Federal
☐ Specify Other _____

Well Information

WELL CLASS	WELL TYPE	TOTAL NUMBER OF WELLS	WELL OPERATION STATUS				
			UC	AC	TA	PA	AN
V	underground injection	123				X	

KEY:

DEG = Degree
MIN = Minute
SEC = Seconds
SECT = Section
¼ SECT = Quarter Section
AC = Active
UC = Under Construction
PA = Permanently Abandoned and Aproved by State
AN = Permanently Abandoned and Not Approved by State
TA = Temporarily Abandoned and Not Approved by State

Comments *(Optional)*:

All injection wells have been abandoned with granular bentonite and sealed with concrete where appropriate.