



330 N. 4th Street
Wausau, WI 54403
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Project Village of Koenewetter Well No. 2
Job No. 2021.022
Date: 12/18/24 By: VRK Page 1 of 1

24°F cloudy with small snow flurries.

8:00AM I Joe Kafczynski on site. Rhode Brothers on site continuing misc. process installation work. Econ Electric on site continuing electrical installation. Grote Painting on site continuing process pipe coating.
↓ sons

Rhode Brothers sub contractor, All American is planning to be on site today + tomorrow to start installing media into pressure vessels. I vent the vessel with Nate Foreman. There is a rag and ~~small amounts~~ in the Far East chamber as well as debris in the chambers that will have to be removed before media installation. He concurred (Dan).

Rhode Brothers —	1- Foreman
Fron	2- Electricians
Grote & Sons	2- Painters

9:00AM I Joe Kafczynski off site.

10:20 AM I Joe Kafczynski on site. All American is on site installing media (gravel) layers into the vessels compartments/chambers. A representative from William Ried is on site supervising installation of media.

All American	- 3 media installers
William Ried	- 1 supervisor

2:02 PM I Joe Kafczynski off site.



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Project Village of Kronwetten Well No. 2
Job No. 2021.022
Date: 12/30/24 By: JRK Page 1 of 1

26°F Partly Cloudy to Foggy. High 38°F.

7:48 AM I Joe Kabczynski on site. Rhode Brothers on site with Plans to Chlorinate process piping + Ventical Tanks to let it "cook" for safe sampling. Econ Electric on site continuing misc. Electrical work.

Rhode Brothers - 1-Foreman
1-Laborer

Econ - 2-Electrians.

8:30 AM I Joe Kabczynski off site.



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Project Village of Kronenwetter Well No. 2

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Date: 1/2/25 By: JRK Page 1 of 1

19°F Cloudy with Few snow showers/Flurries

1:30pm I Joe Kafczynski on site. Rhode Brothers on site Flushing
Process lines/piping with Plans to take Bac-T samples.

Rhode Brothers - 1 Foreman
- 1 Laborer

1:53 PM Dan (Rhode) took Bac-T sample from influent Piping

2:02 PM Dan (Rhode) took Bac-T samples from Effluent Piping.

Rhode Plans to take samples for the effluent/Influent
Piping again tomorrow around the same time.

2:45 PM I Joe Kafczynski off site. Rhode off site.



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Project Village of Keweenaw Well No. 2
Job No. 2021.022
Date: 11/3/2025 By: JRK Page 1 of 1

140F Partly Cloudy. High 18°F

1:00 PM I Joe Kafczynski on site. Rhode on site working on misc. process piping + Plans to take Bac-T samples. Econ Electric on site for Load Bank testing of the generator. Grote + Sons painting on site painting the Horizontal vessel.

Note: Ben Everswick (BHA) also on site as well as Cummins Sales + Service

Rhode Brothers - 1- Foreman

Econ - 2- Electricians

Grote - 2- Painters

Cummins - 1- service tech for Load Bank testing

1:32 PM Dan (Rhode) took Bac-T sample from Effluent Piping

1:50 PM Dan (Rhode) took Bac-T sample from Influent Piping
These are the second samples. the first samples were safe according to Dan and Results will be sent out.

2:04 PM Cummins wrapping up Load Bank test. I Joe Kafczynski + Ben (BHA) off site.



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Project Village of Kronenwetter Well No.2.
Job No. 2021022
Date: 1/7/2025 By: JRK Page of

50°F Partly Cloudy. High 24°F

7:49 Am I Joe Kafczynski on site. Rhode on site with plans to prepare for Greensand backwash + regeneration. Eron on site with plans to ensure panel wiring for Kurita's panel is wired correctly and continuing misc. electrical work. PJ Kartens on site working on programming SCADA. Kurita on site going through checking valves + programming for the filtering

Rhode - 1- Foreman

Eron 1- Foreman
1- Electrician

Kurita 1- Startup Tech

PJ Kartens 1- Tech.

9:38 Am I Joe Kafczynski off site.

2:45 pm I Joe Kafczynski on site. All contractors listed above on site. Kurita is preparing to backwash the green sand. Note: Mike (Kurita) said that the swing check valve on the filter effluent line is not needed + will hinder the backwash process by not allowing the needed backwash water of 300 GPM. The well 700 GPM as system water is needed. Dan (Rhode) removed the flap from the valve. Note that these valves were shown on the Plan P&ID's as well as Kurita's O&M/shop drawings. I did contact Susan (Donohue) about their P&ID. she did not think this check valve was needed.

3:15 pm Mike (Kurita) performed a backwash sequence of the filter cells. When backwashing cell 3 (East cell) the west cell (cell 1) valves were left open + water blew out the Air-release valve. I raised concerns about media loss with Dan (Rhode) + Mike. They said they would open the cell + investigate the green sand level.

5:00 PM I Joe Kafczynski off site.



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Job No. 2021.022
Date: 1/8/2025 By: JKK Page of

10°F. mostly cloudy, High 27°F

7:45 Am I Joe Kafczynski on site. Rhode on site working on misc. process work and Filter. Econ on site doing electrical checks of Equipment. Kurita on site working on Filter operation. PJ Konters on site programming SCADA.

Rhode 1 - Foreman

Econ

Kurita 1 - Startup tech.

PJ Konters 1 - Tech.

8:45 Am I Joe Kafczynski off site.



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Project Village of Kronenwetter well No.2

Job No. 2021.022

Date: 1/9/2025

By: JRK Page of

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5°F Clear: High 19°F

7:55 AM I Joe Kafczynski onsite. Rhode on site with plans to get the chemical feed pumps running, skin Greensand, + Place Anthracite in the Filters. Econ on site for misc. electrical work. Kurita on site for filter start up/filling. William Ried on site for chemical feed pump start up.

Rhode - 1- Foreman

Econ 1- Foreman

Kurita 1- start up Tech

William Ried 1- start up Tech

9:15 AM William Ried trained Village staff on chem feed pumps + weight scales

9:30 AM All American water solutions on site to install Anthracite in the Horizontal Filters.

10:30 AM Econ + William Ried off site.

10:55 AM All American started installing Anthracite layer of media in filters. They did check the East Filter Cell and did not report any loss of Greensand and stated that that cell had a little more in it than the others.

10:45 AM Econ back on site.

11:25 AM I Joe Kafczynski off site.



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Project Village of Kroeon Watten Well No. 2
Job No. 2021.022
Date: 1/13/2025 By: JRK Page of

00F Partly Cloudy. High 1°F.

9:00AM I Joe Kafczynski on site. No one on-site yet.

9:15AM I Joe Kafczynski off site.

10:45AM I Joe Kafczynski on site. Rhode on site with plans to continue start up & install Blower.

11:00AM Brian Pietz (DNR) on site for walkthrough Approval inspection, Ecom on site.

Brian (DNR) noticed the chemical feed pumps were not what were listed on the original Facility Approval from DNR (SPD capacity). He said he would list that on the letter he sends out. I let him know we would also look into it.

11:50AM Brian (DNR) off site. In reviewing chem feed pumps, it was noticed the Hypo Pump & Perm pump were not to the correct storage tanks. (Pumps have different gasket materials). Adam Dan (Rhode) will switch the pumps.

Note: Anthracite was installed into the vessels last Thursday and chlorine for regeneration was added to each cell and allowed to "cook" over the weekend.

12:10PM Kunita on site to continue start up and review Blower Installation.

Note: Blower was installed. However, the Disconnect Panel had a couple of incorrect components that Ecom will be replacing.

Rhode - 1 Foreman
Ecom 1 Foreman
Kunita 1 Start up Tech.

2:35 PM I Joe Kafczynski off site.



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Date: 1/14/2025 By: JRK Page of

-9°F Clear. Clear to Partly cloudy. High 13°F

7:00 AM I Joe Kafczynski on site. Rhode on site with plans to continue startup of facility. Kunita on site for start up. MAAVO systems on site to install piping.

7:58 AM I Joe Kafczynski off site.

9:55 AM I Joe Kafczynski on site. Village staff on site to mix and transfer chemicals into storage tanks.

11:45 AM Kunita, Rhode, Village staff isolated Well No. 2 and began to run water through the filters.

12:30 PM Kunita running backwash with Air scour sequence. Note: Kunita programmer on site to reprogram their PLC.

3:26 PM Kunita backwashed each cell & ran through a number of I/O checks while water ran through the filter. This was after some difficulties in trying to keep flow from the well (backpressure) as the system is currently isolated from the distribution system. Kunita & Rhode turned the system off for the night & Rhode is going to prepare for pressure testing the system. I Joe Kafczynski off site.

Rhode - 1- Foreman

Kunita - 1- Startup tech
1- programmer



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Project Village of Kronschtett Well No. 2
Job No. 2021.072
Date: 1/15/2025 By: JMK Page of

-11°F Sunny. Sunny to Cloudy. High 17°F with evening snow

7:35AM I Joe Kafczynski on site. Rhode on site with plans to Hydrostatic pressure test system piping + Tanks. Ecom on site continuing misc. Electrical. Note: The Horizontal pressure vessel is rated (ASME) to 130 PSI and the decision was made (BHA) to pressure test the system to 130 PSI (not 150 PSI) in order to not go over the 130 PSI pressure rating.

7:45AM Kunita startup tech on site with plans to start running water through the Filter system to try and get chemical dosing dialed in + meet their Design conditions. Kunita Programmer also on site. PJ Konters on site to continue programming + coordination between Kunita's panel.

8:16AM Rhode pumped piping ^{+ tanks} up to 130 PSI to start pressure test.

Rhode	1- Foreman
Ecom	1- Foreman 1- Electrician
Kunita	1- Startup tech 1- Programmer
PJ Konters	1- Programmer

9:16AM Piping and tank pressure test complete. Held at 130 PSI.

11:07AM Rhode taking BACT sample from Filter Effluent piping.

12:37PM Start of Pol. Penn. + chlorine through Filter.

4:10PM Rhode + Kunita shutting down well for the night.

4:30PM I Joe Kafczynski off site.



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Project Village of Kronenwetter Well No. 2.

Startup testing

Job No. _____

Date: 1/15/2025

By: JRK Page ____ of ____

12:37pm Start feeding Pot. Perm + chlorine

Pot. Perm. Pre Filter Chem pump = 1.27 GPH

Hypo. Pre Filter Chem pump = 0.15 GPH

Hyp. Post Filter Chem pump = 35%

1:30pm Filter Effluent Sample 1

Iron = 0.09 mg/L

Mang. = 0.019 mg/L

Note: Fuse to chem feed pumps blew around 1:05pm + was not caught noticed until 1:45pm ish.

1:54pm Chem pumps back on.

3:10pm Filter Effluent Sample 2

Iron = 0.22 mg/L

Mang. = 0.024 mg/L

3:30pm Pot Perm Pre Filter Adjusted to 1.37 GPH

Hypo Pre Filter Adjusted to 0.26 GPH

3:47pm Free chlorine Sample out of Hose Bib (NE Hose Bib) = 0.76 mg/L

4:00pm Filter Effluent Sample 3

Iron = 0.18 mg/L

Mang = 0.024 mg/L

4:10pm Rhode + Kunita shutting down well for the night.



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Project Village of Kronsach Well No. 2
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Date: 1/16/2025 By: JRK Page of

29°F Cloudy with over night snow. Cloudy ~~over~~ High 32°F.

7:42 AM I Joe Kafczynski on site. Rhode on site continuing startup help.
PJ Kontens on site continuing SCADA programming. Econ on site continuing electrical work.

9:30 AM Village staff on site for Filter Training

10:30 AM Rhode taking second Bac-T sample on filter effluent.

11:00 AM Econ + PJ Kontens off site

Rhode 1- Foreman
Econ 1- Electrician
1- Foreman

Kunita 1- Startup Tech
PJ Kontens 1- Scada.

12:30 PM Well shut down. Kunita (Mike) believes the results we are seeing are ~~more~~ ~~better~~ because he believes the media within the tanks are not properly stratified. He believes it is best to wait until he can properly stratify the media once the system is allowed to go online as he would have enough flow from the system to complete it.

12:40 PM I Joe Kafczynski off site.



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Project Village of Ironmenetten Well No. 2
Startup testing Job No. _____
Date: 1/16/2025 By: VRK Page of

8:24 AM start of water through filter = Approx. 700 GPM

Pot Perm Pre Filter chem Pump = 1.47 GPH
Hypo Pre Filter chem Pump = 0.3 GPH
Hypo Post Filter = 35%

8:54 AM Sample 1 of Filter Effluent

Iron = 0.13 mg/L
Mang. = 0.029 mg/L

Free Chlorine post Filter pre post Filter Feed = 0.05 mg/L

9:16 AM Pot Perm Pre Filter chem Pump = 1.60 GPH
there is approximately 69 gallons in storage tank
Other chem feed pumps kept at same rate.

Free chlorine Post Filter to Dis. = 0.82 mg/L - Hose 0.6

10:06 AM Sample 2 of Filter Effluent.

Iron = 0.18 mg/L
Mang. = 0.046 mg/L

Free Chlorine 0.10

11:15 AM Turned post Filter Hypo. Pump to 25%

11:20 AM Raw water sample taken pre chem feed.

Iron = 0.87 mg/L
Mang. = 0.307 mg/L

11:30 AM Sample 3 of Filter Effluent

Iron = 0.19 mg/L
Mang. = 0.052 mg/L

Free chlorine post Filter to Dis = 0.72 mg/L

12:00 PM Reduced Post Filter Hypo. Pump to 20%

12:15 PM Free chlorine Post Filter to Dis = 0.57 mg/L

12:30 PM Well shut down. Ending Perm approx. 63 gallons



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Project Village of Kronen wetten well No. 2

Start up testing Job No. 2021072

Date: 1/17/2025 By: JRK Page of

8:17 AM Start of water through Filter = Approx. 690 GPM

Potassium Perm PreFilter Pump = 1.27 GPM

Hypo Pre Filter Chem Pump = 0.15 GPM

Hypo Post Filter Chem Pump = 35%

Starting conditions back to Design theoretical due to polyphosphate chem feed pump being on during previous runs. It is now turned off.

8:47 AM Sample # 1

Iron = 0.04 mg/L

Mang = 0.013 mg/L

Free chlorine from Hose bib post

Treatment = 0.71 mg/L

9:19 AM Post Filter Hypo. pump turned to 25%

9:24 AM Sample # 2

Iron = 0.03 mg/L

Mang = 0.013 mg/L

Free chlorine Through Filter pre post Feed = 0.07 mg/L

9:48 AM Post Filter Hypo Free chlorine at Hose Bib = 0.87 mg/L

9:55 AM Post Filter Hypo. Pump Turned to 20%

10:18 AM Sample # 3

Iron = 0.00 mg/L

Mang = 0.011 mg/L

Free chlorine Through Filter pre post Feed = 0.00 mg/L

10:45 AM Post Filter Hypo Free chlorine at Hose Bib = 0.70 mg/L

1:35 PM Sample # 4

Iron = 0.03 mg/L

Mang = 0.014 mg/L

1:50 PM Post Filter Hypo Free chlorine at Hose Bib = 0.69 mg/L

Post Filter Hypo. Pump turned to 35%

8:17



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Date: 1/17/25 By: JRK Page of

31°F Cloudy. Forecast: Partly to mostly cloudy. High 37°F

7:45AM I Joe Kafczyński on site. Rhode on site continuing misc. Clean up and Help with Start up.

8:17 AM Well No. 2 turned on to start runs. After digging into results and the chem feeds, it is believed that the reason the results were not meeting design conditions was due to the polymer/polyphosphate chemical feed pump being on during the runs. I let Dan (Rhode) know about this yesterday around 2PM and it was decided to run again today to see if this changes the results.

Note: Brian Pietz, DNR Phone # 715-896-1466

10:40AM Dan (Rhode) called us. Water to check on safe Bacteria sample #2, which they indicated was safe.

10:43 AM I called Brian Pietz (w/ DNR) to see if we were OK to turn on the Valve isolating the Distribution system and Filters now that the second safe sample is back as Kunita needs to back feed to complete the total backwash sequence of the Filters. Brian said as long as we were back feeding from the system and not putting the system online it was "OK". However, we need to wait to receive full DNR approval/letter stating it was "OK" to put in service to fully put into service the vessels/filters to Distribution. He expects that letter next week when Alex (DNR) gets back.

11:10 AM Kunita ran through Backwashing sequences of All 3 Filter Cells. During Backwashing, the system repeatedly was surging which in turn turns down the pump and doesn't allow for enough Back pressure. This occurs During In service Backwashing.

1:16 PM Filter system now isolated from the Distribution system & water is running through the Hydrant Filter & Discharging through the Hydrant.

2:05 PM Well No. 2 Shut Down.



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Startup testing cont. Job No. 2021.020
Date: 1/17/2025 By: JRK Page of

2:05 PM Sample #5

Iron = 0.03 mg/L

Mang = 0.016 mg/L

Free chlorine From Hose Bib post
treatment = 0.75 mg/L



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Project Village of Krosenwetter Well No. 2

Startup

Job No. 2021.022

Date: 1/22/2025

By: JRK Page of

70°F Cloudy. Forecast: Cloudy chance of snow High 23°F.

7:40 Am I Joe Kaczynski on site. Rhode on site to help with start up to Distribution system. Elen on site performing electrical inspection with state inspector (John Sibberg).

8:40 Am Well No. 2 started up to run through filter and out to distribution. With plans to check to see if flows can be dialed in without manipulating valving. During startup, the effluent valve needed to be manipulated/closed in order to prevent the pump from cavitating. The pump will be shut off at 9:00 Am as the tower is full but the pump will be kept in auto.

9:20 Am I Joe Kaczynski off site. Elen off site.

10:53 Am I Joe Kaczynski on site. Dave A. (DNR) on site for walkthrough. Village staff Gregg U. + Mark M. on site. Rhode still on site.

11:10 Am Dave A. (DNR) off site. Well No. 2 ~~is~~ in auto and did turn on based on water tower levels.



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Project Village of Kronenwetten Well No. 2

Start up testing Job No. 2021.022

Date: 1/22/2025 By: JRK Page of

11:10AM Start of water through Filter Approx. = 650 GPM

Pot Perm Prefilter chem pump = 1.27 GPH
Hyp Prefilter chem pump = 0.15 GPH
Hypo Post Filter chem pump = 35%

11:45AM Sample #1

Iron = 0.04 mg/L
Mang = 0.009 mg/L

Free chlorine Thruog Filter = 0.00 mg/L

Free chlorine from Hose Bib = 1.08 mg/L

12:00PM Hypo Post Filter chem pump turned Down to 30%

12:15PM Sample #2

Iron = 0.00 mg/L
Mang = 0.015 mg/L

Free chlorine From Hose Bib = 0.76 mg/L

12:30PM Well No. 2 Turned off based on water levels in Tower.



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2:55pm Sample # 1 Filter Effluent. Well No. 2 Turned on around 2:26pm

Iron = 0.02 mg/L
Mang = 0.001 mg/L

Free Chlorine Hosiob: 0.89 mg/L

Settings of chem feed pumps set at same as end of day yesterday.

3:00pm Sample # 2 Filter Effluent

Iron = 0.00 mg/L
Mang = 0.000 mg/L

3:43 pm Well No. 2 shut down.

Tuesday.

9:05 Partly cloudy to cloudy

apr

9:54 AM I Joe Kafczynski on site. Rhode (Dan) on site with plans to work on punch list items & filter backwash sequences with Kunita.

10:35 AM Kunita on site to prepare for & reprogram the backwash sequence of the filters to use system (Distribution) water.

1:30 PM Kunita tried to run a back wash using the well one last time with lower supply rates (around 630 GPM) before making program changes to use system water. During the high rate portion of the backwash, the well pump cavitated again. Note: Flow rates being adjusted using Effluent gate valve in the same position to run 630 GPM through filters.

After this run, Brent "Sonny" Johnson (Kunita) suggested that it would be best to use system water for backwashing versus well supplied water. During testing using system water, Kunita adjusted rate set valves to get a maximum of around 650 GPM for High rate Flows and believed this would be fine for a good filter back wash.

4:00 PM Kunita & Rhode offsite. They will be back on site to finish programming tomorrow and to run the back wash sequences.

Rhode - 1- Foreman
Kunita - 1- Start-up Tech

Wednesday

11:28 Am I Joe Kafczynski on site Rhode on site Continuing Help with Filter Backwash sequences + Kurita on site.

11:35 Am Kurita performing backwash sequence on Filters after finishing Panel programming updates + rate set valve adjustments to use system water and have the well turn on for 5 minutes for the Filter to Waste sequence. During the High rate wash sequence the vessels were receiving around 750 GPM (Design 791 GPM). This was after the effluent valve was cracked open so the well pumps around 700 GPM through the filters out to the system.

All 3 Filter Cells were back washed and the pump turned on during the Filter to waste step. No problems were observed during the process. Mark Mackey (Village) will monitor the well draw down to ensure the aquifer is not being over drawn at the 700 GPM rate as the well seems to best perform at around 650 GPM. This can be adjusted using the effluent valve out to distribution.

1:18 Pm I Joe Kafczynski + Rhode off site.

Rhode - 1- Foreman
Kurita - 1- Startup tech.