

From: [Vater, Katherine](#)
To: [Koepke, Cynthia L - DNR](#)
Cc: [Braga, Wesley](#)
Subject: Refuse Hideaway - January freeze protection inspection
Date: Friday, January 24, 2020 1:00:41 PM
Attachments: [image001.png](#)

Cindy –

Wes was out at Refuse Hideaway on January 22, 2020 for various maintenance tasks. He inspected the freeze protection devices and here is the January operation summary for those wells:

P-8BR – pump and packer installed w/ correct ball valve. Freeze protection is working and the well is not flowing.

P-9D – Packer installed and freeze protection working.

P-31IA – New packer and pump installed, freeze protection is working and the well is not flowing.

P-31IB – Packer installed to stop flow, freeze protection is working and the well is not flowing.

Additional future maintenance is related to the pump.

P-31D – Old packer still installed, freeze protection is working and the well is not flowing. Additional future maintenance is related to the new packer once pump accessories arrive.

P-33D – Well casing frozen in December before packer could be installed. Packer to be installed this spring.

P-24D – Well casing frozen in December before packer could be installed. Packer to be installed this spring.

P-24E – Well casing frozen in December before packer could be installed. Packer to be installed this spring.

P-36S – Packer not installed and well is currently flowing. Packer will be installed this spring.

P-36D – Well casing frozen in December before packer could be installed. Packer to be installed this spring.

TRC did not complete a freeze protection inspection in December as the maintenance installations were still in progress.

Wes will repeat the inspection sometime in February. If some of the pump parts are available, he may complete that maintenance depending on weather. If the freeze protection is still working at those wells, it may be better to hold off in case there is an issue with installing the replacement packer and cold weather creates even more complications.

Please let us know if you'd like any further information.

Thanks,
Katherine

Katherine Vater, PE (WI)
Project Manager



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From: [Vater, Katherine](#)
To: [Koepke, Cynthia L - DNR](#)
Cc: [Braga, Wesley](#)
Subject: Refuse Hideaway - February freeze protection inspection
Date: Wednesday, February 26, 2020 8:43:32 AM
Attachments: [image001.png](#)

Cindy –

Wes was out at Refuse Hideaway on February 24, 2020. There was no change from the January inspection. He inspected the freeze protection devices and here is the operation summary for those wells:

P-8BR –Freeze protection is working and the well is not flowing.
P-9D – Packer installed and freeze protection working.
P-31IA –Freeze protection is working and the well is not flowing.
P-31IB – Packer installed to stop flow, freeze protection is working and the well is not flowing. Additional future maintenance is related to the pump.
P-31D – Old packer still installed, freeze protection is working and the well is not flowing. Additional future maintenance is related to the new packer once pump accessories arrive.
P-33D – Well casing frozen in February. Packer to be installed this spring.
P-24D – Well casing frozen in February. Packer to be installed this spring.
P-24E – Well casing frozen in February. Packer to be installed this spring.
P-36S – Packer not installed and well is currently flowing. Packer will be installed when P-36D thaws.
P-36D – Well casing frozen in February. Packer to be installed this spring.

Wes will repeat the inspection in March depending on weather to assess whether wells have thawed and packers can be installed.

Wes said he ran into you while he was out there. He checked his field notes about the leachate pump out, and he last saw them there on November 7, 2019 at approximately 9AM to pump the tank.

Let me know sometime you might be out there or passing by our office. I have the 3 locks for you. Alternatively we could lock them on the leachate tank fence and you could get them from there.

Please let us know if you'd like any further information.

Thanks,
Katherine

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From: [Vater, Katherine](#)
To: [Koepke, Cynthia L - DNR](#)
Cc: [Braga, Wesley](#)
Subject: Refuse Hideaway - March freeze protection inspection
Date: Tuesday, April 14, 2020 11:27:41 AM
Attachments: [image001.png](#)

Cindy –

Wes was out at Refuse Hideaway on April 1, 2020. He inspected the freeze protection devices and here is the March operation summary for those wells:

P-8BR –Freeze protection is working and the well is not flowing.
P-9D – Freeze protection is working and the well is not flowing.
P-31IA –Freeze protection is working and the well is not flowing.
P-31IB – Freeze protection is working and the well is not flowing. Pump to be installed, waiting on fitting from QED and will be installed in May 2020.
P-31D – Waiting on fitting from QED to complete packer install. To be completed in May 2020.
P-33D – Packer/pump combination installed on 4/1/2020, and well is no longer flowing.
P-24D – Packer installed 4/1/2020, and well is no longer flowing.
P-24E – Packer installed 4/1/2020, and well is no longer flowing.
P-36S – Packer installed 4/1/2020, and well is no longer flowing.
P-36D – Packer installed 4/1/2020, and well is no longer flowing.

This ends the 2019-2020 freeze protection inspections. The inspections will resume in winter 2020-2021.

Please let us know if you'd like any further information.

Thanks,
Katherine

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Project Manager



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