

Nebraska Department of Environment and Energy (NDEE)

MEMORANDUM

To: File

From: Hillary Stoll and Brad Pracheil

Date: February 10, 2021

RE: AltEn, LLC

NDEE ID: 84069

Program ID: WWF, PCS NE0137634

Subject: Site Visit Report to Confirm Facility Shutdown/Cessation of Discharge to Wastewater Lagoons

Summary of Site Visit and Information Acquired During Visit:

We (Brad Pracheil and Hillary Stoll) arrived at the AltEn, LLC facility in Mead, Nebraska at about 10:30 AM on February 10, 2021. The weather was partly cloudy with a temperature of about 10 degrees Fahrenheit. We asked to speak with Mr. Scott Tingelhoff. We stated that we were conducting a site visit to confirm the facility has completed the shutdown process and observe the wastewater lagoons. The exact depth of the wastewater lagoons could not be determined due to snow and safety concerns, but photos are attached. The facility has completed the shutdown process and there was no discharge to the wastewater lagoons observed. After observing the wastewater lagoons, we met with Mr. Ken Peterson, Plant Manager. We asked Mr. Peterson to show us AltEn's current operational status. Mr. Peterson showed us the fermentation tanks and said all four fermentation tanks are empty (screenshots attached). Mr. Peterson showed us that the mix tanks are shut down (screenshot attached). Mr. Peterson showed us the beer well and how it is recycling through the beer stripper. Mr. Peterson said they are operating only one boiler at low fire mode and will continue to operate it to keep heat in the plant to prevent freezing. Mr. Peterson said that the only discharge going to the wastewater lagoons during the shutdown is a small amount of steam condensate from the boilers, which he estimated to be about twenty gallons per day (Photo 16). The exit summary was discussed with Mr. Tingelhoff, and we departed the facility at about 12:10 PM.

Attachments

- 1) Photos
- 2) Operational Screenshots
- 3) Exit Summary Form



Photos

Note: Not all photos taken at the site are included in this memorandum.



Photo 1

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: West

Description: Influent pipe into the Northwest lagoon. No discharge into the lagoon was observed.



Photo 2

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Northwest

Description: Influent pipe into the Northwest lagoon. No discharge into the lagoon was observed.



Photo 3

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: N/A

Description: Influent pipe into the Northwest lagoon. No discharge into the lagoon was observed.



Photo 4

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Northwest

Description: Depth marker for Northwest lagoon cell.



Photo 5

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: West

Description: Overflow pipe in Northwest lagoon (flows into Northeast lagoon which is not visible in this photo – see Photo 6).



Photo 6

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Northeast

Description: Overflow pipe entering the Northeast lagoon (flows from Northwest lagoon which is not visible in this photo – see Photo 5).



Photo 7

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: East

Description: Overflow pipe in Northeast lagoon (left) flows into the Southeast lagoon (right).



Photo 8

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: East

Description: Overflow pipe in the Southeast lagoon is mostly covered with ice/snow.



Photo 9

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Northeast

Description: Overview of Northeast lagoon.



Photo 10

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Southwest

Description: Southeast corner of the Northeast lagoon. The depth marker is not visible due to the snow.



Photo 11

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: Southeast

Description: Overview of the Southeast lagoon.



Photo 12

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: N/A

Description: Splitter box that used to split influent flow between the Northeast and Southeast lagoons prior to the construction of the Northwest lagoon. The orange hose is not usually present, but was put in place to convey water used to test the new filters that are being constructed. No discharge from this hose into the splitter box was observed.



Photo 13

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: N/A

Description: Status for the one boiler that has been left on. Mr. Ken Peterson stated that the 10% firing rate is the lowest rate possible.

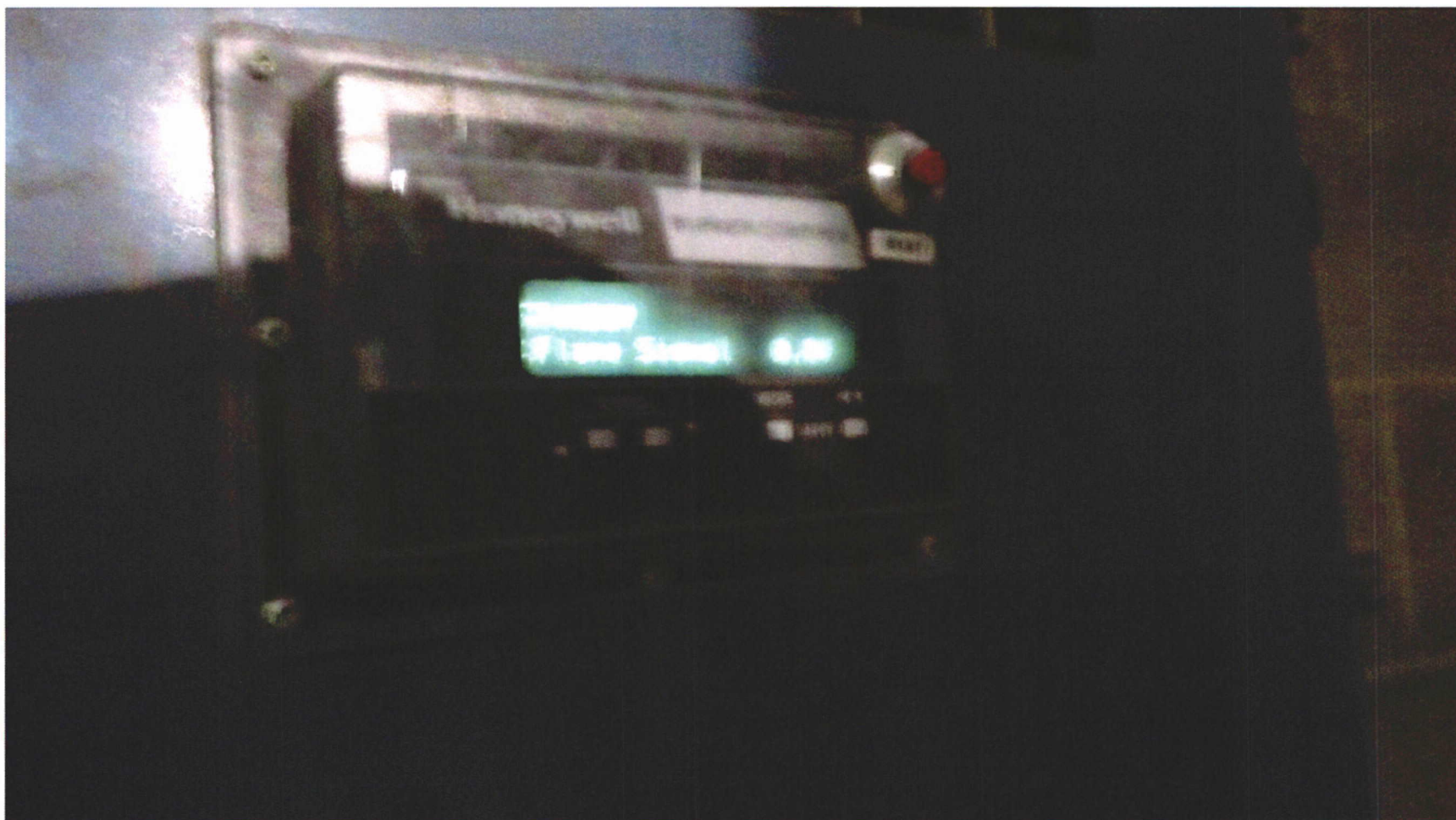


Photo 14

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: N/A

Description: Documentation that another boiler is off. The panel says "Standby Flame Signal 0.0 V". The boiler was visually observed and there was no noise or flame and it was not operating.

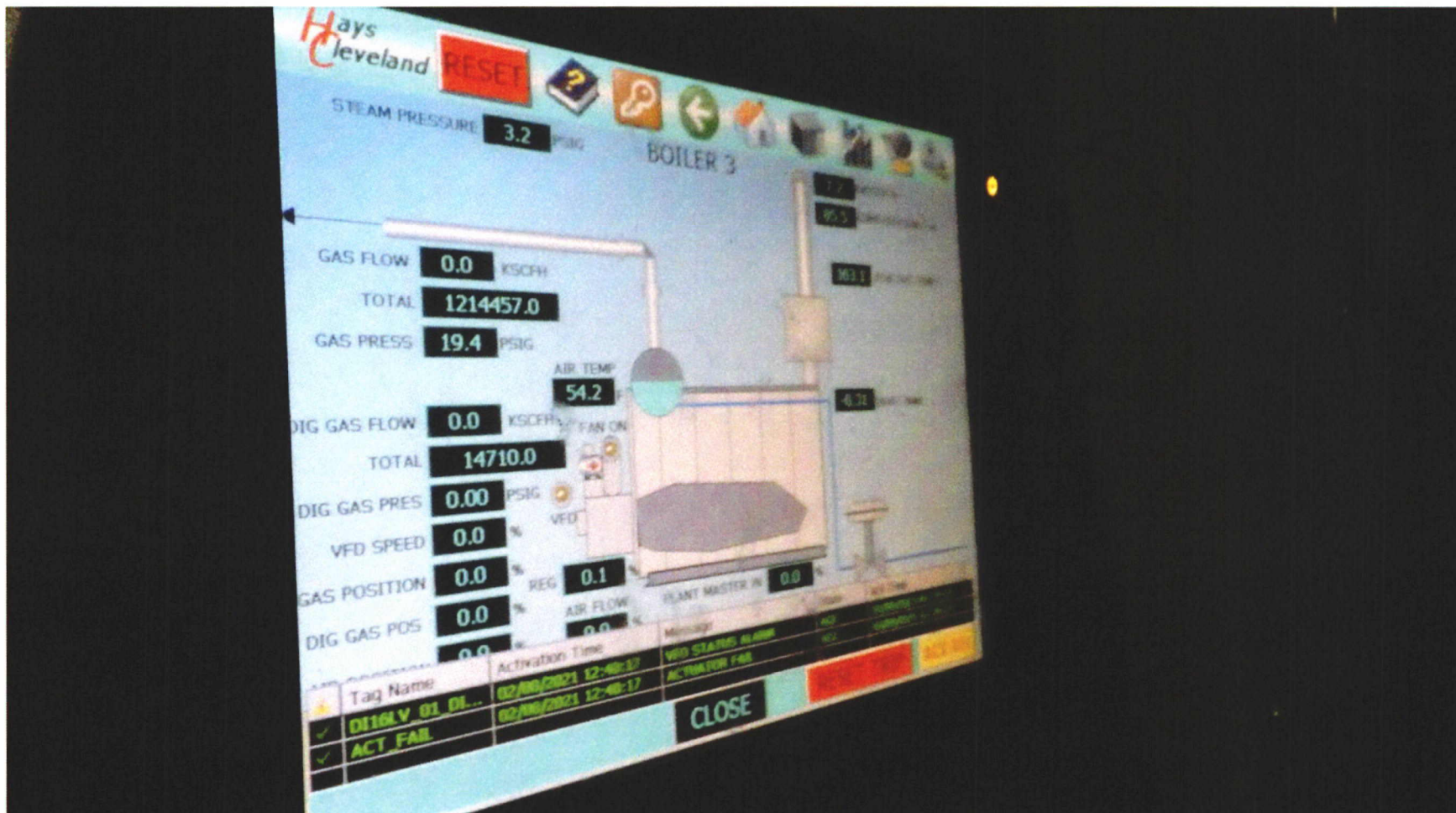


Photo 15

Date Taken: February 10, 2021

Photographer: Hillary Stoll

Facility Name/Project Name: AltEn, LLC, Mead, NE

Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

Direction Facing: N/A

Description: Documentation that another boiler is off. The boiler was visually observed and there was no noise or flame and it was not operating.



Photo 16

Date Taken: February 10, 2021

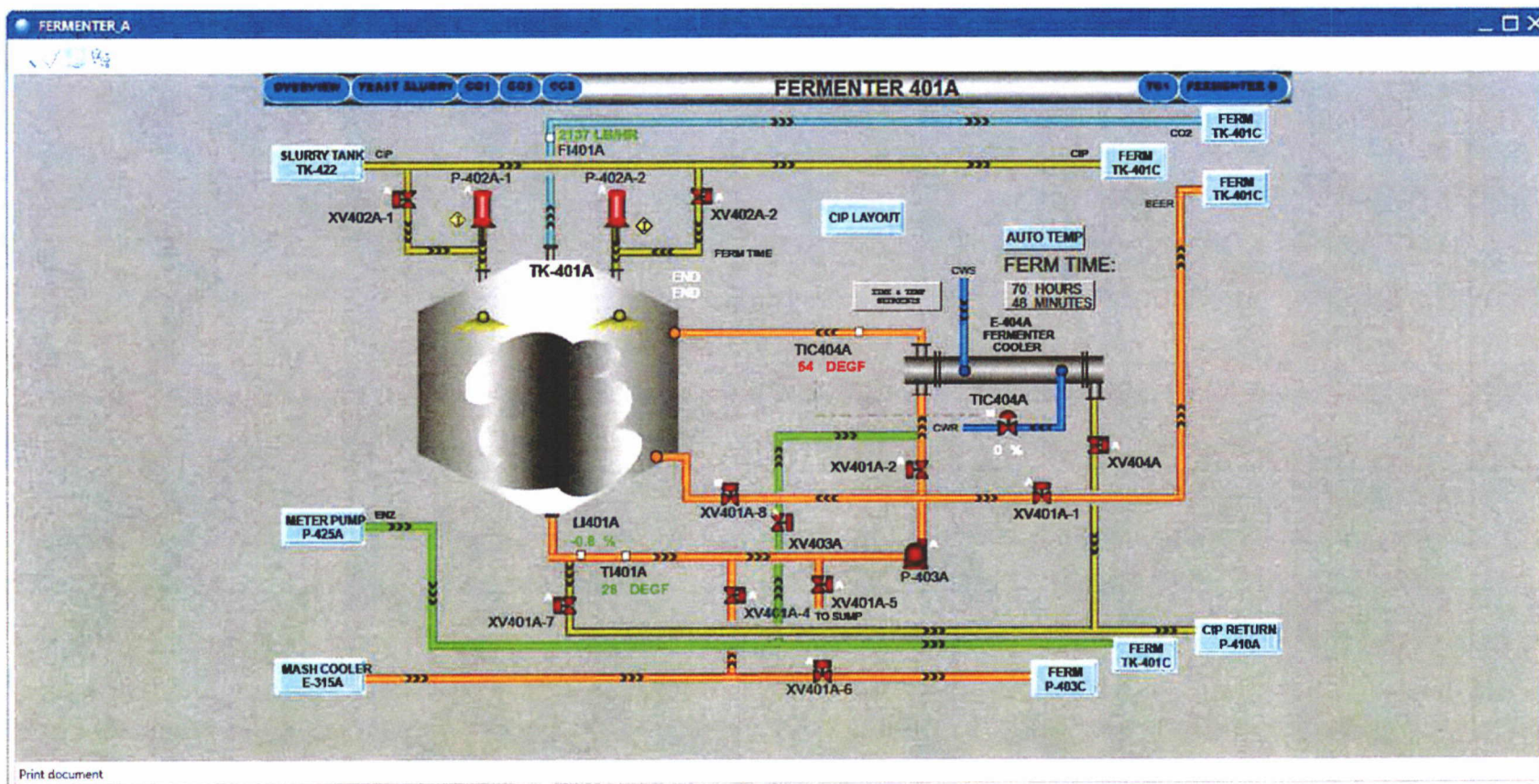
Photographer: Hillary Stoll

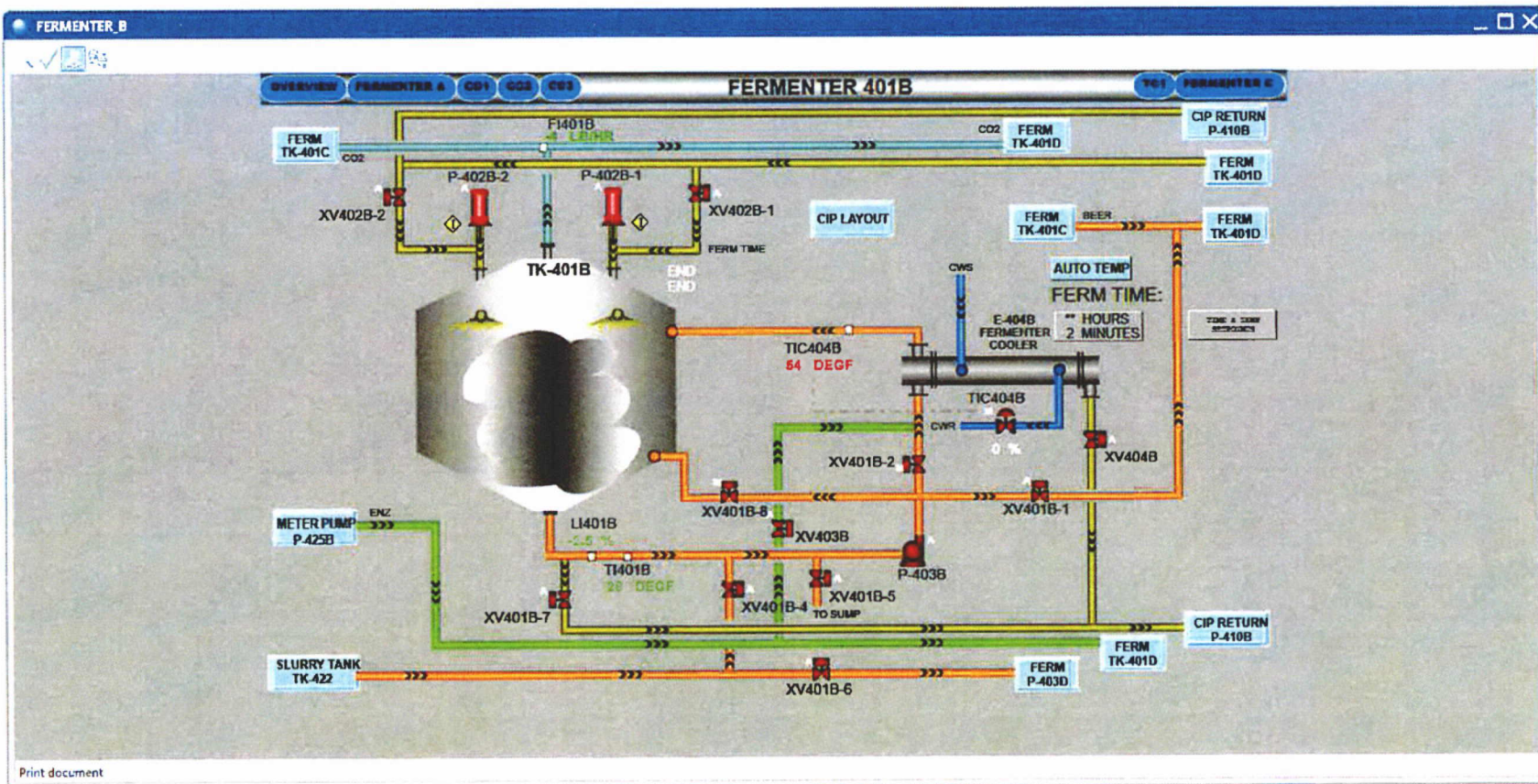
Facility Name/Project Name: AltEn, LLC, Mead, NE

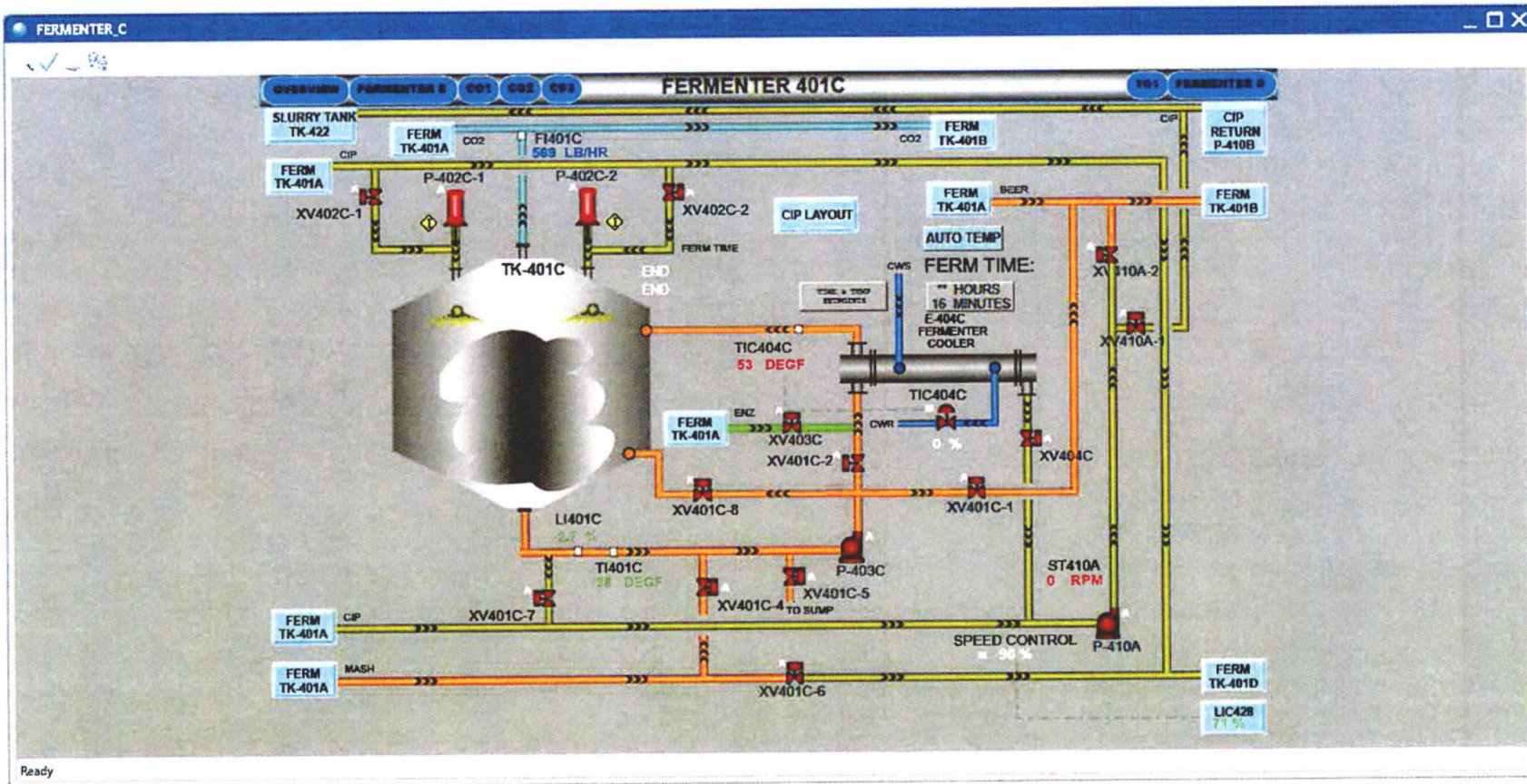
Facility IIS number/Project Identifier: IIS #84069, PCS NE0137634

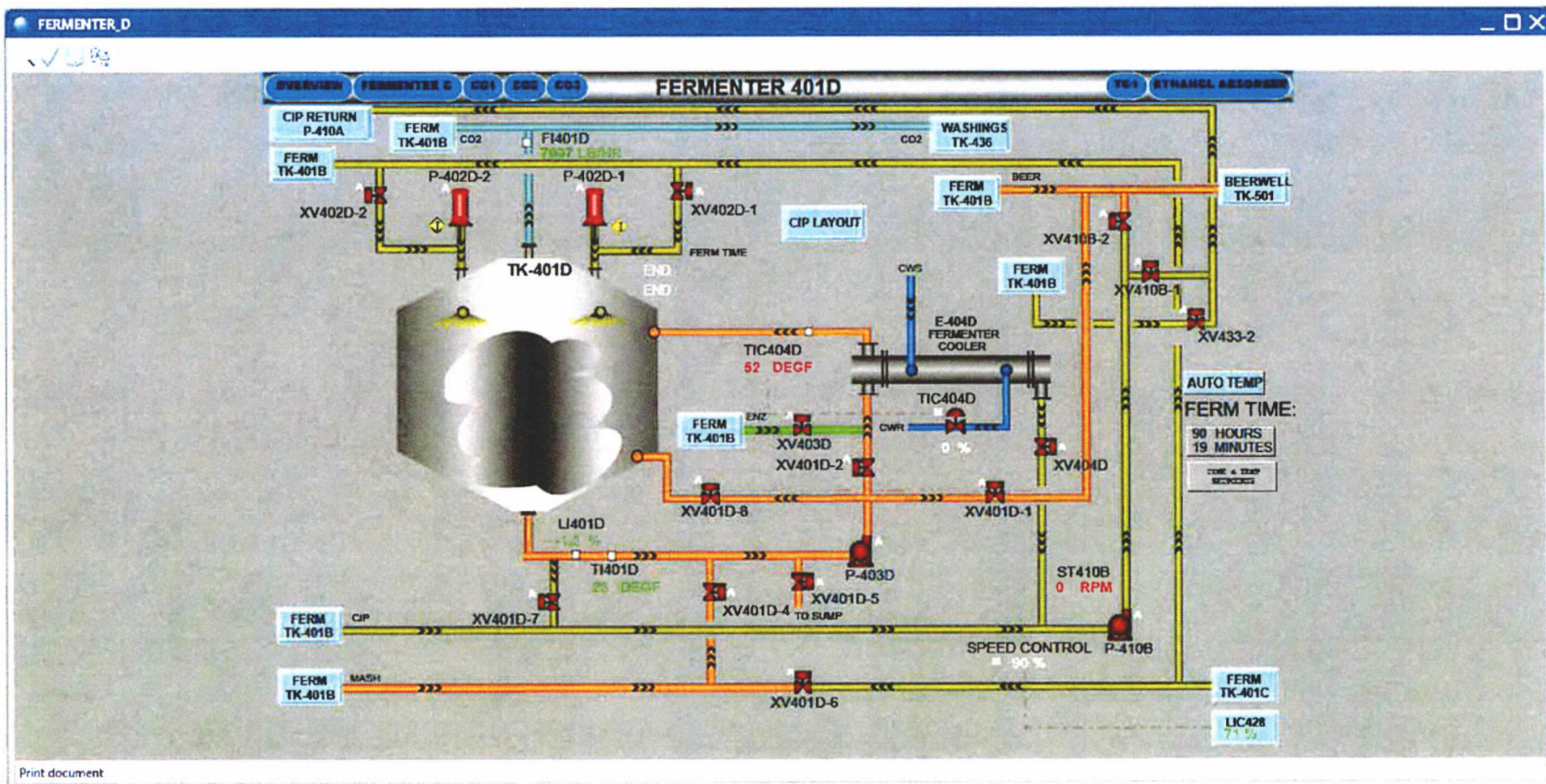
Direction Facing: N/A

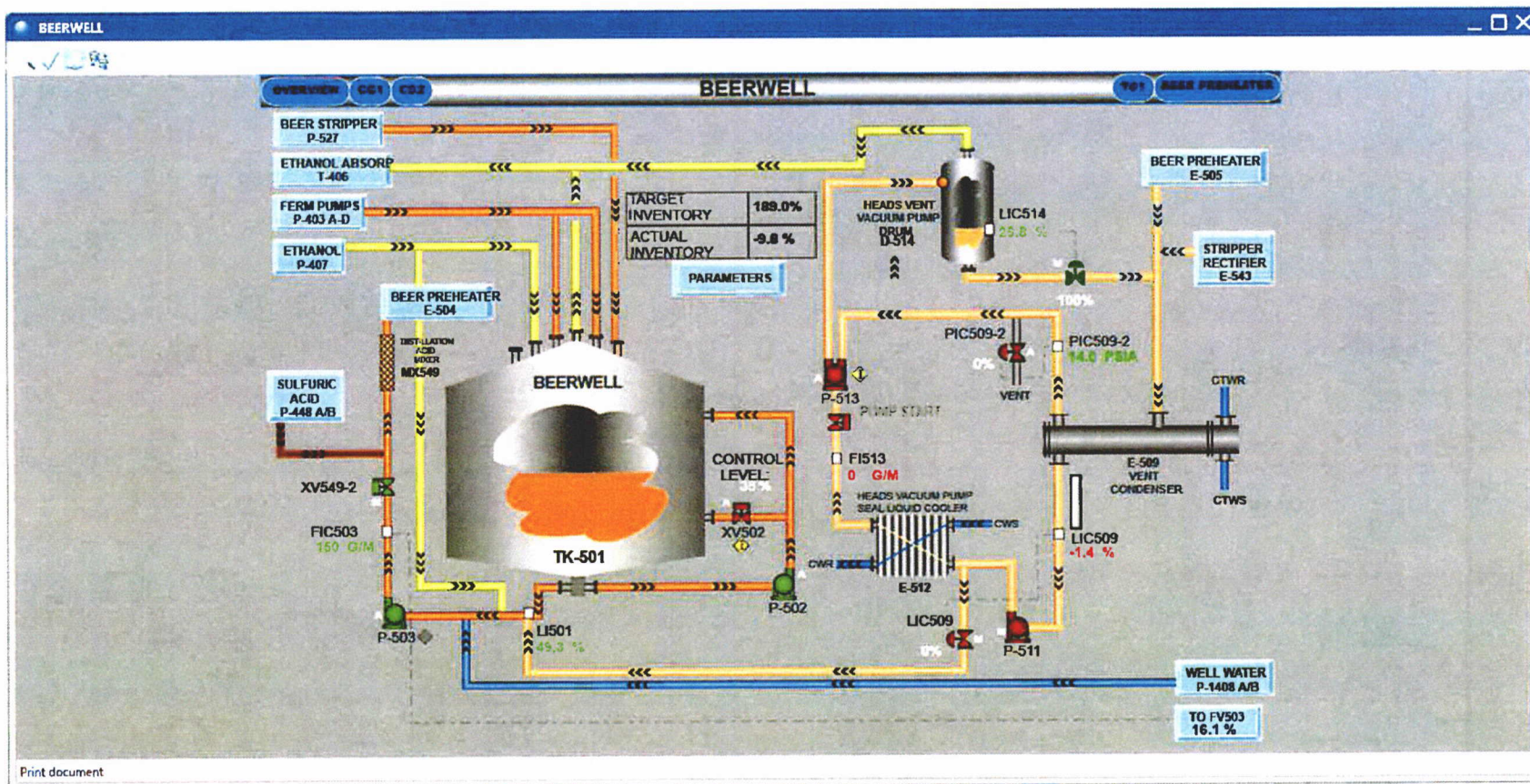
Description: Steam condensate from the boiler.

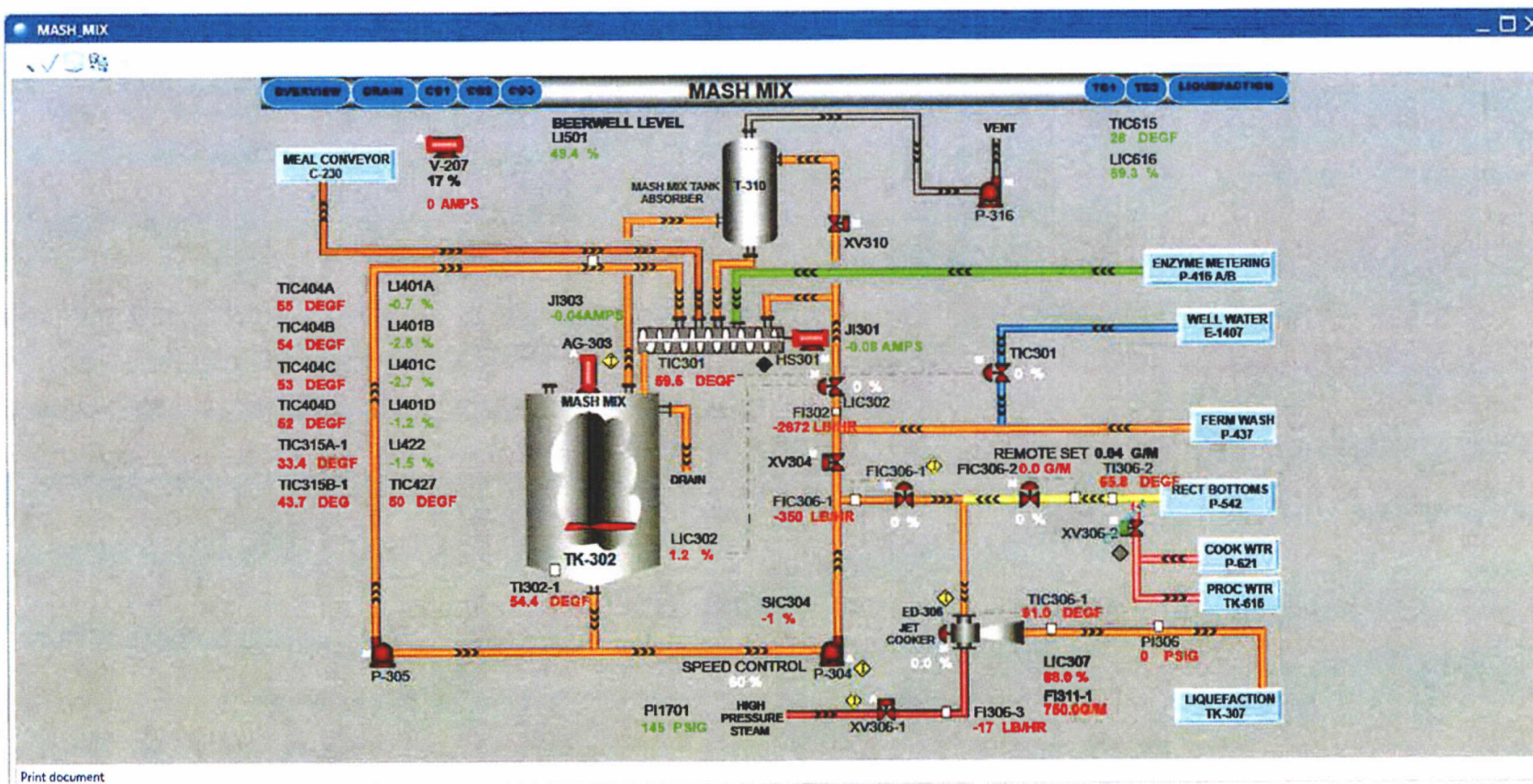












NEBRASKA

DEPT. OF ENVIRONMENT AND ENERGY

Inspection and Assistance Exit Summary

NDEE ID: 84069 NDEE Program & ID: _____ NDEE Notification #: _____

☒ Inspection/Other ☐ Compliance Assistance Visit (CAV) ☐ Permit Assistance Visit (PAV)

Facility/Operation Name: ALLEN

Address _____

City/Town: _____, County _____, State of Nebraska.

Owner/Occupant/Operator Inspection Contact(s): _____

Inspector _____ Phone No _____ E-Mail address _____

Brad Pruchette _____ brad.pruchette @nebraska.gov

_____ @nebraska.gov

Mailing Address: Department of Environment and Energy, PO Box 98922, Lincoln, Nebraska 68509-8922

Inspection Date: 2/10/2021 Start Time: 10:00 End Time: 12:10

☒ No concerns observed ☐ Further agency discussion needed to determine compliance

☐ Concerns observed:

Plant Shutting down

☐ Actions to be performed immediately or as soon as reasonably practical:

Please notify the Inspector when the above actions are completed.

The Department will provide a final inspection report within an agency average of 14 days of the inspection date. The final inspection report will contain a complete list of any alleged violations. This inspection exit summary does not preclude any other legal action by the Nebraska Department of Environment and Energy and your prompt attention to the documented concerns will be considered in assessment of your voluntary compliance. This summary was left

with: Scott Tinglehoff. Please contact the Inspector if you have any questions concerning this inspection and assistance exit summary.

Signing this document is not an admission of liability by the facility.


Inspector Signature


Inspection Contact Signature

revised 11/19/19