

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of

*Electronic* Application of Bluegrass )  
Water Utility Operating Company, LLC ) Case No. 2020-00290  
for an Adjustment of Rates and Approval )  
of Construction )

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**Applicant’s Notice of Filing:  
Stills and Index Thereto for Video Presented at Hearing**

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Applicant, Bluegrass Water Utility Operating Company, LLC (“Bluegrass”), gives notice that it is filing herewith and has attached hereto the following documents related to the before-and-after video that Bluegrass witness Josiah Cox presented and narrated on the first day of the evidentiary hearing in this case, May 18, 2021:

- Stills (1-56) taken from the video presented in the sequence the images appear in the video presented.
- An index describing each still and identifying the corresponding time stamp from the hearing record.

The before-and-after video itself appears as part of the hearing video record, at 5/18/21 Hrg. 14:02:15 –14:14:20).

Respectfully submitted,

/s/ Katherine K. Yunker

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# **BLUEGRASS WATER**

**Utility Operating Company**

*A CSWR Managed Utility*

## **Q2 2021 CONSTRUCTION UPDATE**

# Airview Wastewater

Conditions When Acquired vs. Improvements To Date



## CLARIFIER STRUCTURE

WHEN ACQUIRED: RUSTING STRUCTURE, INSECURE STRUCTURE

Still #3  
5/18/2021 Hearing Video  
14:04:05



## CLARIFIER STRUCTURE

IMPROVEMENTS TO DATE: STRUCTURE REVAMPED AND ELECTRICAL UPGRADED

Still #4  
5/18/2021 Hearing Video  
14:04:45



**BAR SCREEN**

**WHEN ACQUIRED: CLOGGED AND DETERIORATED**

Still #5  
5/18/2021 Hearing Video  
14:05:00



**BAR SCREEN**

IMPROVEMENTS TO DATE: FAILED BAR SCREEN REPLACED

Still #6  
5/18/2021 Hearing Video  
14:05:05



## AERATION CHAMBER

WHEN ACQUIRED: TREES GROWING FROM TREATMENT FACILITY

Still #7  
5/18/2021 Hearing Video  
14:05:13



## AERATION CHAMBER

IMPROVEMENTS TO DATE: AERATION SYSTEM REPAIRED

Still #8  
5/18/2021 Hearing Video  
14:06:10



LAGOON

WHEN ACQUIRED: OVERGROWN AND LEAKING LAGOON

Still #9  
5/18/2021 Hearing Video  
14:06:20



## LAGOON

IMPROVEMENTS TO DATE: VEGETATION REMOVED, BERM REPAIRED

Still #10  
5/18/2021 Hearing Video  
14:06:27



# TREATMENT PLANT

IMPROVEMENTS TO DATE: REPAIRED AND UPGRADED

Still #11  
5/18/2021 Hearing Video  
14:06:36



**OUTFALL**

WHEN ACQUIRED: ANTIQUATED CONTACT CHAMBER FULL OF SLUDGE

Still #12  
5/18/2021 Hearing Video  
14:06:45, 14:07:01



**OUTFALL**

IMPROVEMENTS TO DATE: PROPER OUTFALL STRUCTURE

Still #13  
5/18/2021 Hearing Video  
14:06:52, 14:07:37

# Great Oaks Wastewater

Conditions When Acquired vs. Improvements To Date



## INFLUENT LINES

WHEN ACQUIRED: IMPROPER INFLUENT LINES, RUSTED STRUCTURE

Still #15  
5/18/2021 Hearing Video  
14:07:53



## INFLUENT LINES

IMPROVEMENTS TO DATE: LIFT STATION REPAIRED

Still #16  
5/18/2021 Hearing Video  
14:08:20



## AERATION TANK

WHEN ACQUIRED: RUSTING STRUCTURE, VEGETATION GROWTH

Still #17  
5/18/2021 Hearing Video  
14:08:30



# AERATION TANK

WHEN ACQUIRED: RUSTING STRUCTURE, VEGETATION GROWTH

Still #18  
5/18/2021 Hearing Video  
14:08:36



## AERATION TANK

WHEN ACQUIRED: RUSTING STRUCTURE, VEGETATION GROWTH

Still #19  
5/18/2021 Hearing Video  
14:08:40



## AERATION TANK

IMPROVEMENTS TO DATE: VEGETATION REMOVED AND AERATION SYSTEM REPAIRED

Still #20  
5/18/2021 Hearing Video  
14:08:46



## TANK STRUCTURE

IMPROVEMENTS TO DATE: REPAIRED AND COATED STEEL TANKAGE

Still #21  
5/18/2021 Hearing Video  
14:09:00



OUTFALL

WHEN ACQUIRED: SLUDGE POLLUTING CREEK

Still #22  
5/18/2021 Hearing Video  
14:09:10



**OUTFALL**

IMPROVEMENTS TO DATE: CLEAN EFFLUENT

Still #23  
5/18/2021 Hearing Video  
14:09:35

# Center Ridge Water District 3

Conditions When Acquired vs. Improvements To Date



## WELL HOUSE

WHEN ACQUIRED: DAMAGED STRUCTURE, IMPROPER REPAIRS

Still #25  
5/18/2021 Hearing Video  
14:09:49



# WELL HOUSE

IMPROVEMENTS TO DATE: NEW HOUSE INSTALLED TO PROTECT EQUIPMENT FROM THE WEATHER

Still #26  
5/18/2021 Hearing Video  
14:10:00



WELL 1

WHEN ACQUIRED: DAMAGED STRUCTURE, EXPOSED WIRING

Still #27  
5/18/2021 Hearing Video  
14:10:05



WELL 1

WHEN ACQUIRED: POWER SUPPLY CONDUIT EXPOSED AND DAMAGED

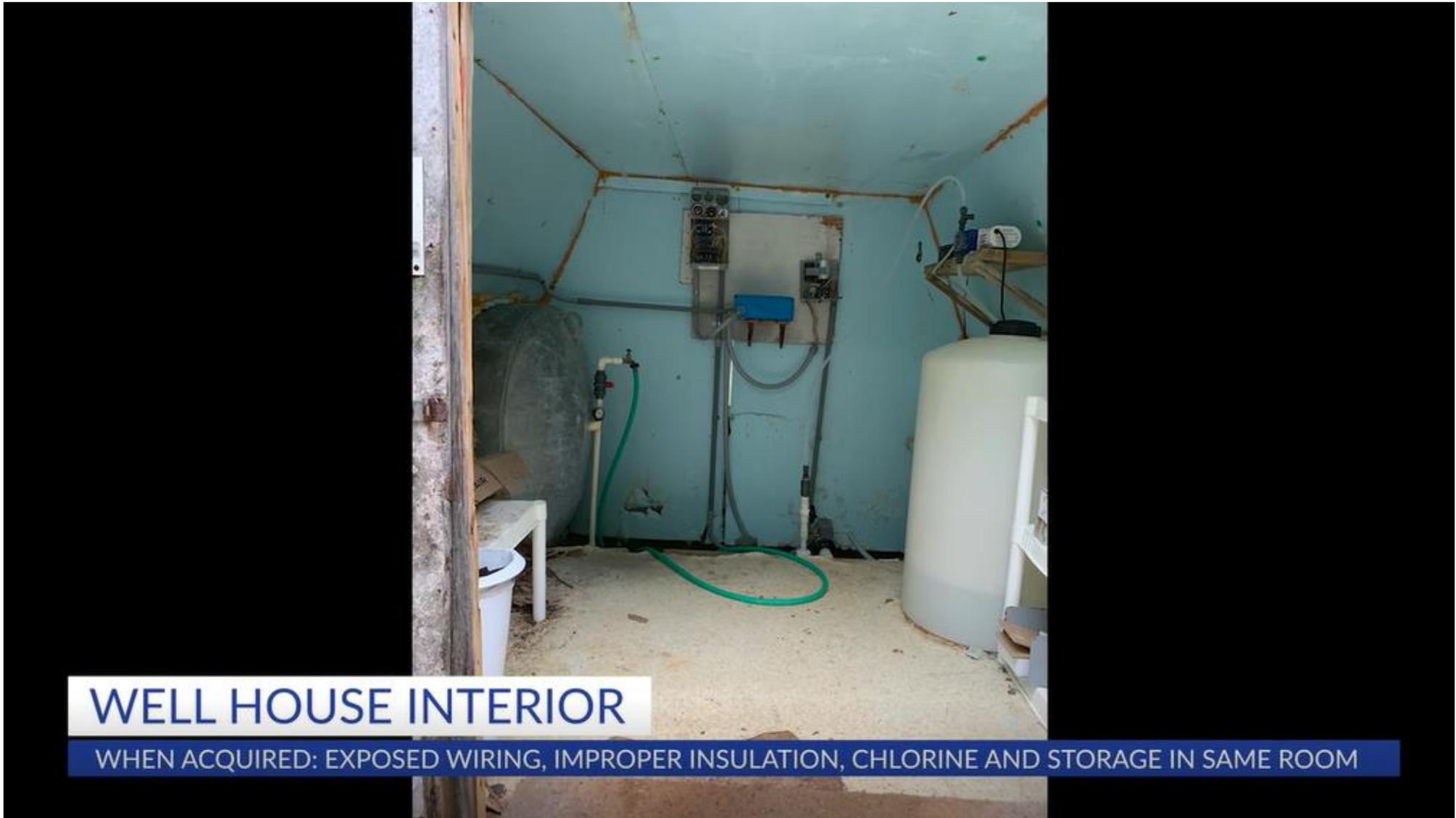
Still #28  
5/18/2021 Hearing Video  
14:10:43



Still #29

5/18/2021 Hearing Video

14:10:51



## WELL HOUSE INTERIOR

WHEN ACQUIRED: EXPOSED WIRING, IMPROPER INSULATION, CHLORINE AND STORAGE IN SAME ROOM

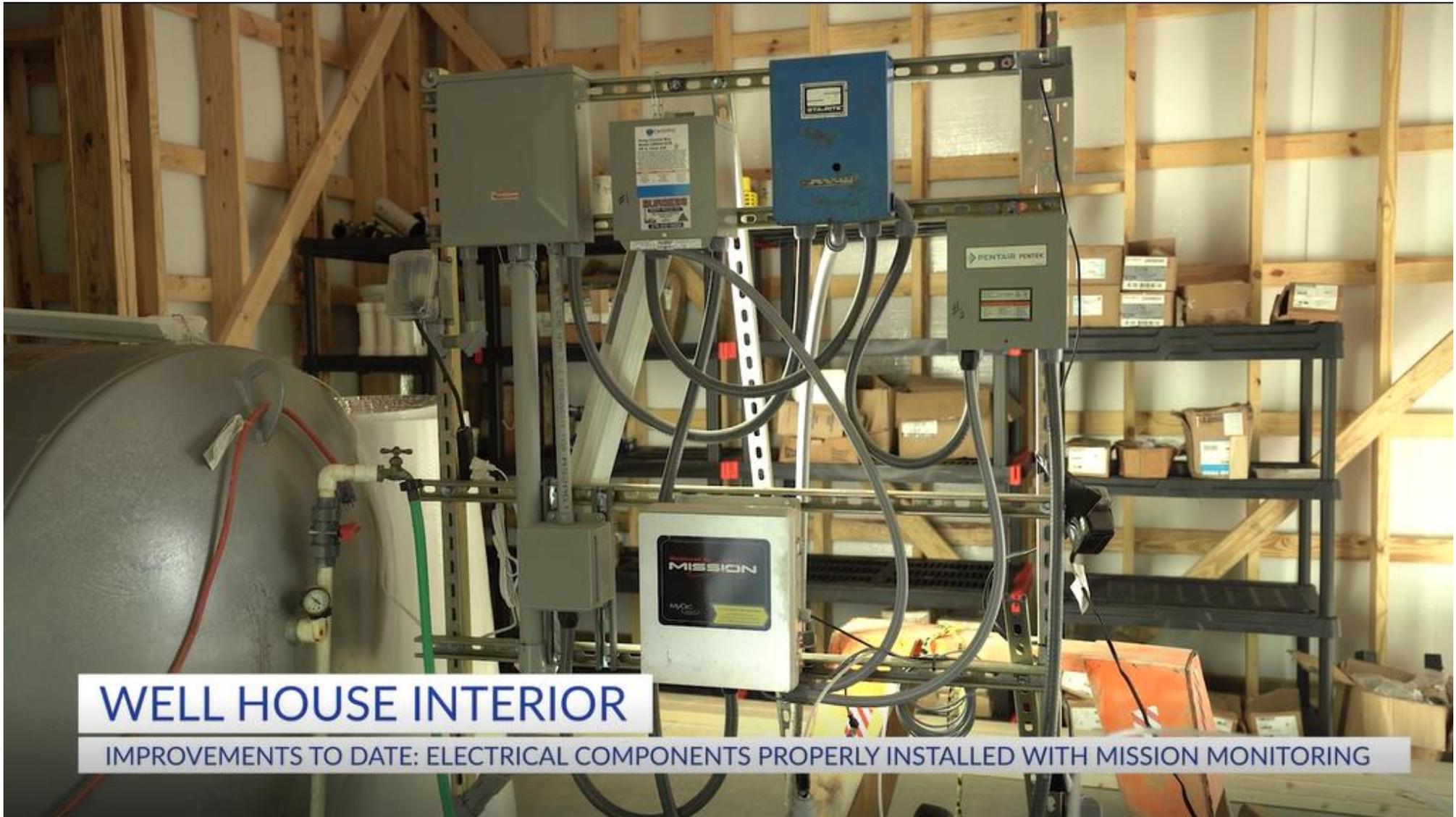
Still #30  
5/18/2021 Hearing Video  
14:11:00



## WELL HOUSE INTERIOR

WHEN ACQUIRED: OBSOLETE AND IMPROPERLY INSTALLED DOSING PUMP

Still #31  
5/18/2021 Hearing Video  
14:11:27



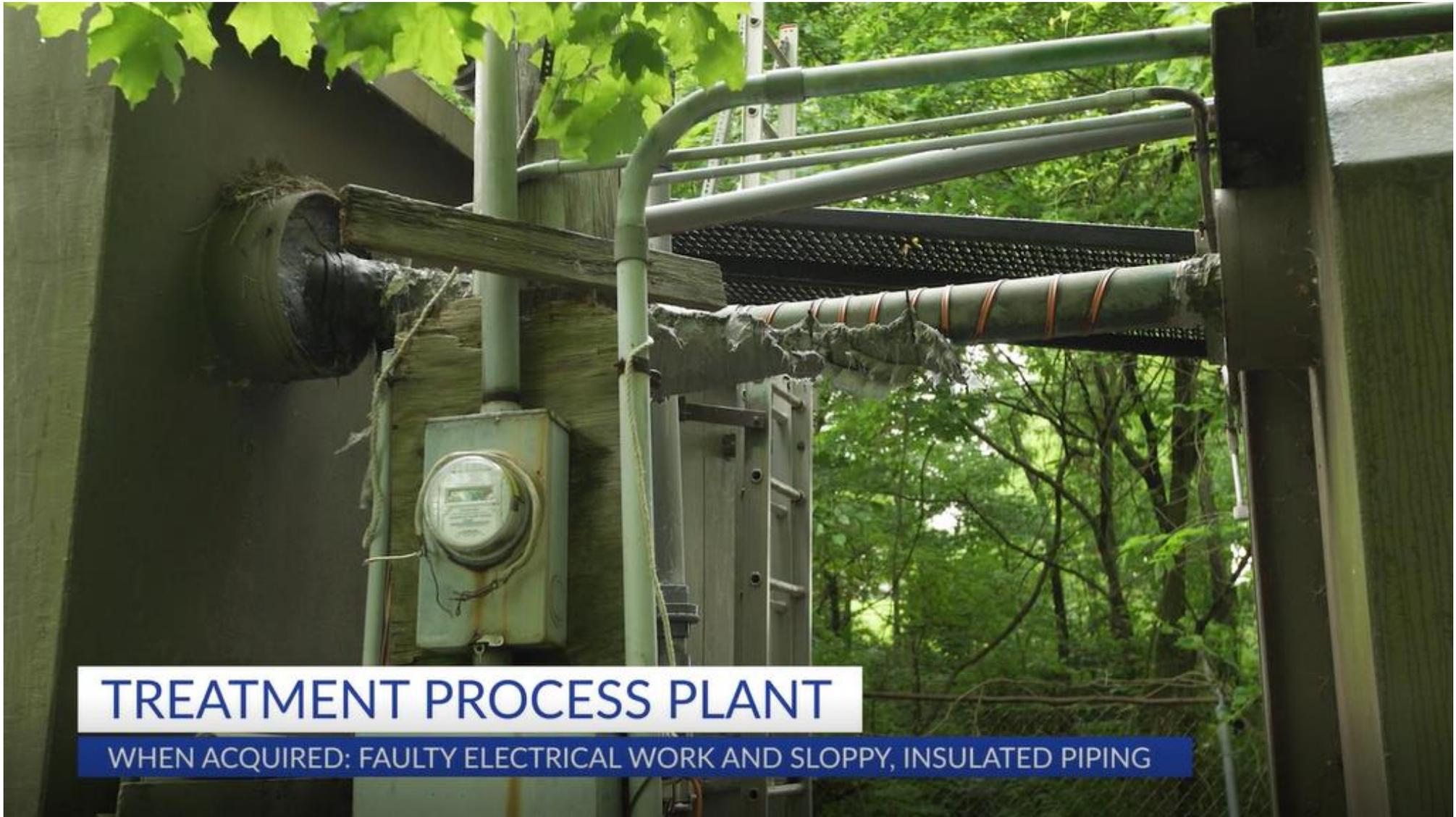
## WELL HOUSE INTERIOR

IMPROVEMENTS TO DATE: ELECTRICAL COMPONENTS PROPERLY INSTALLED WITH MISSION MONITORING

Still #32  
5/18/2021 Hearing Video  
14:11:38

# Fox Run Wastewater

Conditions When Acquired vs. Improvements To Date



# TREATMENT PROCESS PLANT

WHEN ACQUIRED: FAULTY ELECTRICAL WORK AND SLOPPY, INSULATED PIPING

Still #34  
5/18/2021 Hearing Video  
14:11:51



# TREATMENT PROCESS PLANT

IMPROVEMENTS TO DATE: TREATMENT TANKAGE COATED

Still #35  
5/18/2021 Hearing Video  
14:12:00



## TREATMENT PROCESS PLANT

IMPROVEMENTS TO DATE: NEW SAFETY RAILING AND GRATING INSTALLED

Still #36  
5/18/2021 Hearing Video  
14:12:08



## TREATMENT PROCESS PLANT

IMPROVEMENTS TO DATE: OSHA NON-COMPLIANT LADDER REPLACED

Still #37  
5/18/2021 Hearing Video  
14:12:14



## CHEMICAL AND MATERIAL STORAGE

WHEN ACQUIRED: IMPROPERLY STORED CHEMICALS AND MATERIALS, POOR HOUSEKEEPING, RUSTED TANKAGE

Still #38  
5/18/2021 Hearing Video  
14:12:24



## CHEMICAL AND MATERIAL STORAGE

WHEN ACQUIRED: IMPROPERLY STORED CHEMICALS AND MATERIALS, POOR HOUSEKEEPING, RUSTED TANKAGE

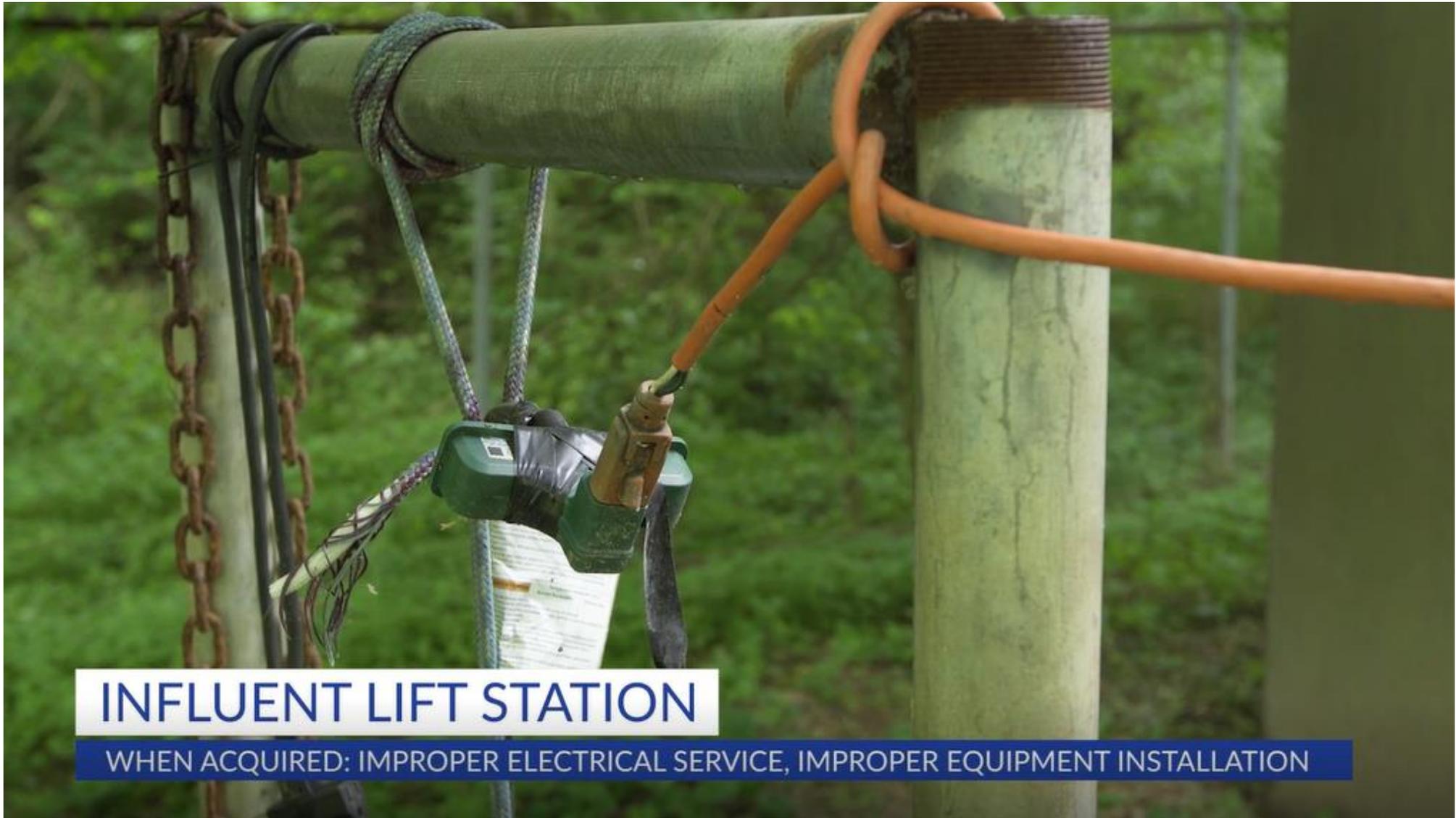
Still #39  
5/18/2021 Hearing Video  
14:12:31



## CHEMICAL AND MATERIAL STORAGE

IMPROVEMENTS TO DATE: SITE CLEANED UP AND PROPER CHEMICAL STORAGE UTILIZED

Still #40  
5/18/2021 Hearing Video  
14:12:37



## INFLUENT LIFT STATION

WHEN ACQUIRED: IMPROPER ELECTRICAL SERVICE, IMPROPER EQUIPMENT INSTALLATION

Still #41  
5/18/2021 Hearing Video  
14:12:46



## INFLUENT LIFT STATION

IMPROVEMENTS TO DATE: INFLUENT LIFT STATION REHABBED

Still #42  
5/18/2021 Hearing Video  
14:12:54

# Lake Columbia Wastewater

Conditions When Acquired vs. Improvements To Date



## BAR SCREEN/SPLITTER BOX

WHEN ACQUIRED: SEVERE CORROSION, CLOGGED PIPING

Still #44  
5/18/2021 Hearing Video  
14:13:09



## BAR SCREEN/SPLITTER BOX

IMPROVEMENTS TO DATE: NEW BAR SCREEN

Still #45  
5/18/2021 Hearing Video  
14:13:33



# TREATMENT PLANT

WHEN ACQUIRED: SEVERE CORROSION, POOR CHEMICAL STORAGE, DAMAGED PIPING

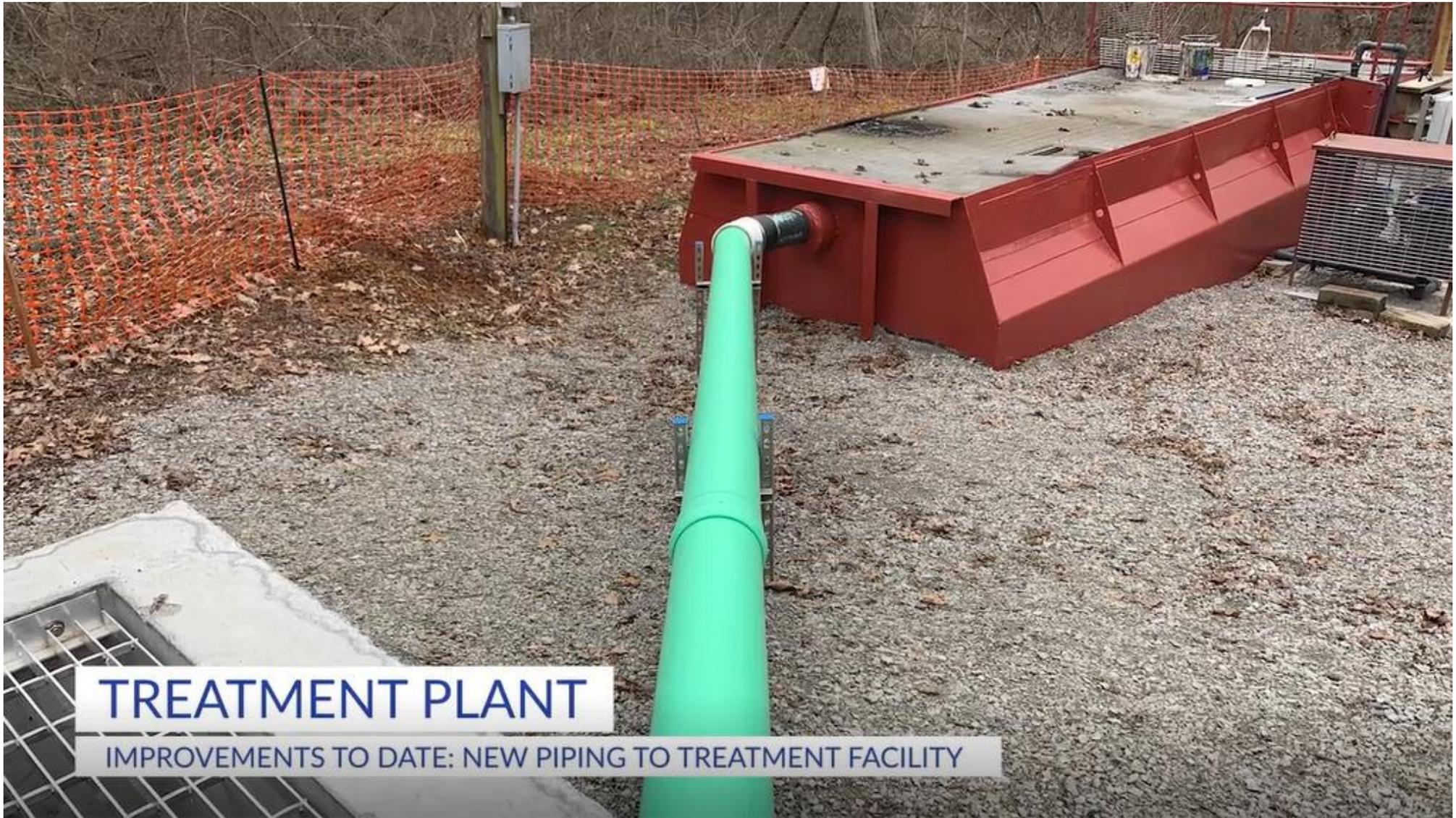
Still #46  
5/18/2021 Hearing Video  
14:13:42



# TREATMENT PLANT

IMPROVEMENTS TO DATE: REHABBED TREATMENT FACILITY

Still #47  
5/18/2021 Hearing Video  
14:13:50



# TREATMENT PLANT

IMPROVEMENTS TO DATE: NEW PIPING TO TREATMENT FACILITY

Still #48  
5/18/2021 Hearing Video  
14:13:58



## BLOWER HOUSING & TREATMENT PLANT

WHEN ACQUIRED: DAMAGED HOUSING, MAINTENANCE FAILURE

Still #49  
5/18/2021 Hearing Video  
14:14:07



## BLOWER HOUSING & TREATMENT PLANT

IMPROVEMENTS TO DATE: NEW BLOWERS AND AERATION SYSTEM

Still #50  
5/18/2021 Hearing Video  
14:14:16



## SLUDGE RETURN

WHEN ACQUIRED: IMPROPER INSTALLATION AND MATERIALS

Still #51  
5/18/2021 Hearing Video  
14:14:26



## SLUDGE RETURN

WHEN ACQUIRED: RUSTING STEEL, ABANDONED LINES

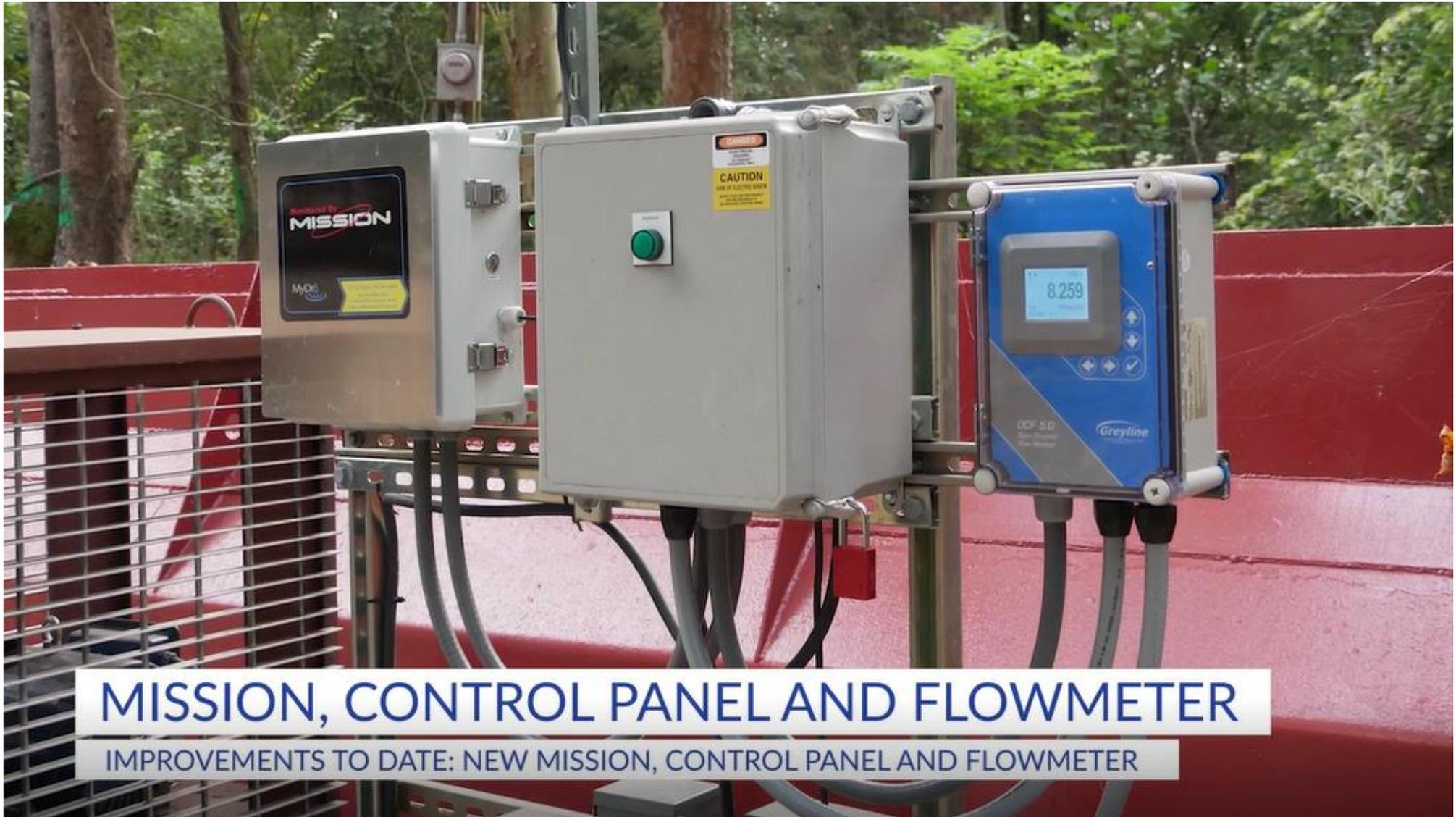
Still #52  
5/18/2021 Hearing Video  
14:14:33



## SLUDGE RETURN AND TANK

IMPROVEMENTS TO DATE: REHABBED TREATMENT FACILITY

Still #53  
5/18/2021 Hearing Video  
14:14:42



## MISSION, CONTROL PANEL AND FLOWMETER

IMPROVEMENTS TO DATE: NEW MISSION, CONTROL PANEL AND FLOWMETER

Still #54  
5/18/2021 Hearing Video  
14:14:50



## TABLET FEEDER AND CONTACT CHAMBER

IMPROVEMENTS TO DATE: NEW CHLORINE CONTACT CHAMBER INSTALLED

Still #55  
5/18/2021 Hearing Video  
14:15:00



[CentralStatesWaterResources.com](http://CentralStatesWaterResources.com)

**Index** of stills (1-56) taken from the “before-and-after” video presented and narrated by Bluegrass witness Josiah Cox at the Case No. 2020-00290 hearing (day 1), May 18, 2021

On the hearing video record for that day (<https://youtu.be/mgEw6dx-h74>), the “before-and-after” video is on screen from 14:02:15 to 14:14:20.

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2	Airview Wastewater: Conditions When Acquired vs. Improvements to Date	14:02:20
3	Clarifier Structure — when acquired	14:04:05
4	Clarifier Structure — improvements to date	14:04:45
5	Bar Screen — when acquired	14:05:00
6	Bar Screen — improvements to date	14:05:05
7	Aeration Chamber — when acquired	14:05:13
8	Aeration Chamber — improvements to date	14:06:10
9	Lagoon — when acquired	14:06:20
10	Lagoon — improvements to date	14:06:27
11	Treatment Plant — improvements to date	14:06:36
12	Outfall — when acquired	14:06:45 14:07:00
13	Outfall — improvements to date	14:06:52 14:07:37
14	Great Oaks Wastewater: Conditions When Acquired vs. Improvements to Date	14:07:48
15	Influent Lines — when acquired	14:07:53
16	Influent Lines — improvements to date	14:08:20
17	Aeration Tank — when acquired	14:08:30
18	Aeration Tank — when acquired	14:08:36
19	Aeration Tank — when acquired	14:08:40

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21	Tank Structure — improvements to date	14:09:00
22	Outfall — when acquired	14:09:10
23	Outfall — improvements to date	14:09:35
24	Center Ridge Water District 3: Conditions When Acquired vs. Improvements to Date	14:09:45
25	Well House — when acquired	14:09:49
26	Well House — improvements to date	14:10:00
27	Well 1 — when acquired	14:10:05
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34	Treatment Process Plant — when acquired	14:11:51
35	Treatment Process Plant — improvements to date	14:12:00
36	Treatment Process Plant — improvements to date	14:12:08
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38	Chemical and Material Storage — when acquired	14:12:24
39	Chemical and Material Storage — when acquired	14:12:31
40	Chemical and Material Storage — improvements to date	14:12:37
41	Influent Lift Station — when acquired	14:12:46
42	Influent Lift Station — improvements to date	14:12:54

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44	Bar Screen / Splitter Box — when acquired	14:13:09
45	Bar Screen / Splitter Box — improvements to date	14:13:33
46	Treatment Plant — when acquired	14:13:42
47	Treatment Plant — improvements to date	14:13:50
48	Treatment Plant — improvements to date	14:13:58
49	Blower Housing & Treatment Plant — when acquired	14:14:07
50	Blower Housing & Treatment Plant — improvements to date	14:14:16
51	Sludge Return — when acquired	14:14:26
52	Sludge Return — when acquired	14:14:33
53	Sludge Return and Tank — improvements to date	14:14:42
54	Mission, Control Panel and Flowmeter — improvements to date	14:14:50
55	Tablet Feeder and Contact Chamber — improvements to date	14:15:00
56	CSWR: <a href="http://CentralStatesWaterResources.com">CentralStatesWaterResources.com</a>	14:15:15