



DATE: March 4, 2021

TO: Todd Bennett, Manager, BOW/DWPC/FOS

FROM: Joseph D. Stitely, P.E., BOW/DWPC/FOS

SUBJECT: Commonfields of Cahokia Water & Sewer District
February 24, 2021 & February 25, 2021 Collection System Inspection

On February 24 and 25, 2021, I accompanied US EPA Representatives, Dean Maraldo, Joan Rogers, and Ted Flatebo, during their inspection of lift stations owned and operated by Commonfields of Cahokia Water & Sewer District. Prior to the inspection of the station (February 24, 2021), US EPA representatives toured the Ping Pong area. During their tour, they observed the clean out at [REDACTED]. We initially met with Dennis Traiteur, Manager for the District at the District office. The US EPA representatives explained that they had observed the cleanout overflow. Traiteur explained that the discharge line had become separated at the 82nd and Bluff lift station, but his crew just repaired it. They explained to Traiteur that they would be conducting inspections of lift stations owned and operated by the District. Mr. Traiteur explained that he did not believe any of the stations were overflowing.

Initially, we drove to the Ping Pong area. We stopped at [REDACTED]. The overflow had ceased. We then drove to the lift station near the intersection of 82nd and Bluff. No overflows were noted from the station. A significant flow was heard discharging into the station's wet well. We stopped at the lift station located near the intersection of 82nd and Belleview. No overflows were observed from the station. Again, a significant flow was heard discharging into the station's wet well. We stopped at the last manhole before the East St. Louis collection system. The manhole is located behind the Greater Faith Church at 82nd Street & Ridge Avenue. No significant flow was heard flowing through the manhole. Next, we drove back to [REDACTED]. We walked the ditch from the cleanout overflow discharge point in the ditch to where the ditch discharges to Canal 1. It did appear that some stormwater from Canal 1 was backflowing through the two galvanized culverts into the drainage ditch.

We then drove to the lift station near the intersection of Lauralee and Violet (GPS location: 38°33'26.535" N, 90°07'21.767" W). At the time of the visit, the lift station was not overflowing. We then drove to the Lake Drive Pill Box Lift station (GPS location: 38°35'28.655" N, 90°05'09.140" W). This station has no operational pumps and the control panel has been removed. A PVC "quick connect" coupler has been installed adjacent to the station to periodically pump sewage from the station. A significant amount of sewage debris was observed on the ground surface around the coupler location (see attached

photographs). The closest manhole was observed about 200 feet northeast of the station (see attached photographs). No evidence of any recent overflows was observed around the manhole. We did note what appeared to be a water supply leak in the alley directly southeast of the station. I contacted Gayle Renth, Collinsville DPWS, and made her aware of the water leak and the proximity to the sewage debris.

The next morning (February 25, 2021), Dean Maraldo and I observed the 51st & Market Station (GPS Location: 38°34'39.276" N, 90°07'00.000" W). No evidence from a recent overflow was observed. I noted that the chain link fence door for the dry well was unlocked and opened. Also, the access hatch to the dry well was unlocked (see attached photographs). We then drove to a station located near the intersection of 53rd and Market Streets (GPS Location: 38°34'32.643" N, 90°06'52.657" W). The station was a submersible type station with a high-level alarm light. No overflows were occurring at the time of the inspection. However, I noted sewage debris on the ground adjacent to the station from previous overflows (see attached photographs).

We then drove to the Block House lift station (GPS Location: 38°33'29.705" N, 90°07'25.198" W). The station was in very poor condition and appeared to be abandoned. Walking up to the station, I noted that access door to the station was open (see attached photographs). I also observed that the control panel door was also open (see attached photographs). Looking in the station, I observed that the roof was falling in and the station's wet well had no hatch and was open. This could allow significant precipitation into the wet well. Also, the unsecured station and open wet well posed a significant safety risk. Traiteur later indicated that the station is abandoned.

We then returned to the Block House station with the other US EPA representatives. At the Block House Station, we noted that there was a power pole about 300 feet northwest of the station. At the power pole, there was an unnamed lift station (GPS Location: 38°33'31.830" N, 90°07'27.750" W). The manhole lid was removed, and a metal pipe was across the manhole opening. The pipe was holding up a temporary submersible pump via a chain (see attached photographs). I noted a child's shoe adjacent to the open manhole lid. Later, I explained to Traiteur that the open manhole lid is a safety risk and it must be covered.

Next, we drove to the Lady of Snows lift station (GPS Location: 38°33'44.717" N, 90°06'11.378" W). The concrete cap had recently been replaced (see attached photographs). The station had a temporary submersible pump installed in the station that was pumping above ground via 4-inch PVC pipe to a downstream manhole (see attached photographs). I also saw sewage debris on the ground surface from previous overflows immediately adjacent to the replaced concrete lid (see attached photographs). I also noted

that the station's dry well lid was partially open and unlocked (see attached photographs). Near the downstream manhole, we noted some discarded broken PVC pipe. It appeared to be from previous breaks in the above ground line to the manhole. Traiteur later confirmed that the line has had breaks in the past.

We then stopped at the 9 Violet lift station (GPS Location: 38°33'23.532" N, 90°07'23.930" W). The station is a Smith and Loveless type station (see attached photographs). No overflows were occurring from the station at the time of the visit. However, I did note that there was sewage debris on the ground surface adjacent to the station from previous overflows.

Next, Joan Rogers, US EPA, and I observed the Bridgedale lift station (GPS Location: 38°32'55.102" N, 90°08'30.456" W). No overflows were observed during the inspection of the lift station. The station is operating by a temporary submersible pump. The dry well hatch was not properly locked. Opening the hatch to the station's dry well, I observed that the dry well was full of water. We then observed the Greystone Apartment complex lift station (GPS Location: 38°34'41.492" N, 90°06'32.392" W). The station appeared to be in good working order. No evidence of any recent overflows was observed at the station. The station is equipped with a high-level alarm. It should be noted that if an overflow were to occur from the lift station, it would discharge onto the apartment complex's playground area. We then drove to the Creston Drive lift station (GPS Location: 38°34'27.780" N, 90°03'42.123" W). The station appeared to be in good working order. No evidence of any recent overflows was observed. The control panel was surrounded by a screened chain link fence. The fence gate was locked at the time of the inspection. Finally, we stopped at the Superior lift station (GPS Location: 38°34'22.035" N, 90°03'32.728" W). No evidence of any recent overflows was observed. The station appeared to be operating satisfactorily. The station's wet well was secured with a chain and padlock (see attached photographs). However, it did not appear that the station's high-level alarm light for the station was operational.

JDS:Commonfields Memo 022421/03-04-21

cc: Sanjay Sofat, BOW
Jim Miles, BOW/DWPC/FOS
Christine Davis, BOW
Mike Roubitchek, DLC
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BOW/DWPC/RU

Photo # 001
Date: February 24, 2021
Time: 2:58 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is a photograph of the quick connect for the Lake Pill Box Lift Station. Both pumps control panel have been removed from the station. A quick connect line has been added to remove sewage from the station. Note the significant sewage debris on the ground surface.



Photo #: 002
Date: February 24, 2021
Time: 2:58 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is a photograph of the Lake Pill Box Lift Station. Both pumps control panel have been removed from the station. A quick connect line has been added to remove sewage from the station. Again, note the significant sewage debris on the ground surface.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 003
Date: February 24, 2021
Time: 2:58 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is another photograph of the quick connect for the Lake Pill Box Lift Station. Both pumps control panel have been removed from the station. A quick connect line has been added to remove sewage from the station. Note the significant sewage debris on the ground surface.



Photo #: 004
Date: February 24, 2021
Time: 3:04 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21).
Notes: This is a photograph of the the closest manhole to the Pill Box Lift Station. The manhole is located another photograph of the lift station located about 200 NE of the Lake Drive Pill Box Station.



Photo # 005
Date: February 24, 2021
Time: 3:05 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is another photograph of the closest manhole to the Pill Box Lift Station. The manhole is located another photograph of the lift station located about 200 NE of the Lake Drive Pill Box Station.



Photo #: 006
Date: February 24, 2021
Time: 3:06 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is another photograph of the Lake Drive Pill Box Lift Station. Note the pooled water in the background. This freshwater appeared to be from a water line leak.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 007
Date: February 24, 2021
Time: 3:06 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lake Drive Pill Box (#21)
Notes: This is another photograph of the Lake Drive Pill Box Lift Station. Note the pooled water in the background. This freshwater appeared to be from a water line leak.



Photo #: 008
Date: February 25, 2021
Time: 8:38 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: 51st & Market Station (#2)
Notes: This is a photograph of the lift station located near the intersection of 51st and Market Streets. There was no evidence of a recent overflow at the station. The fence was open and the dry well hatch unlocked.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 009
Date: February 25, 2021
Time: 8:38 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: 51st & Market Station (#2)
Notes: This is a photograph of the station's wet well. No evidence of a recent overflow was observed from the wet well.



Photo #: 010
Date: February 25, 2021
Time: 8:46 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: 53rd & Market Station (#3)
Notes: This is a photograph of the lift station located near the intersection of 53rd and Market Streets.

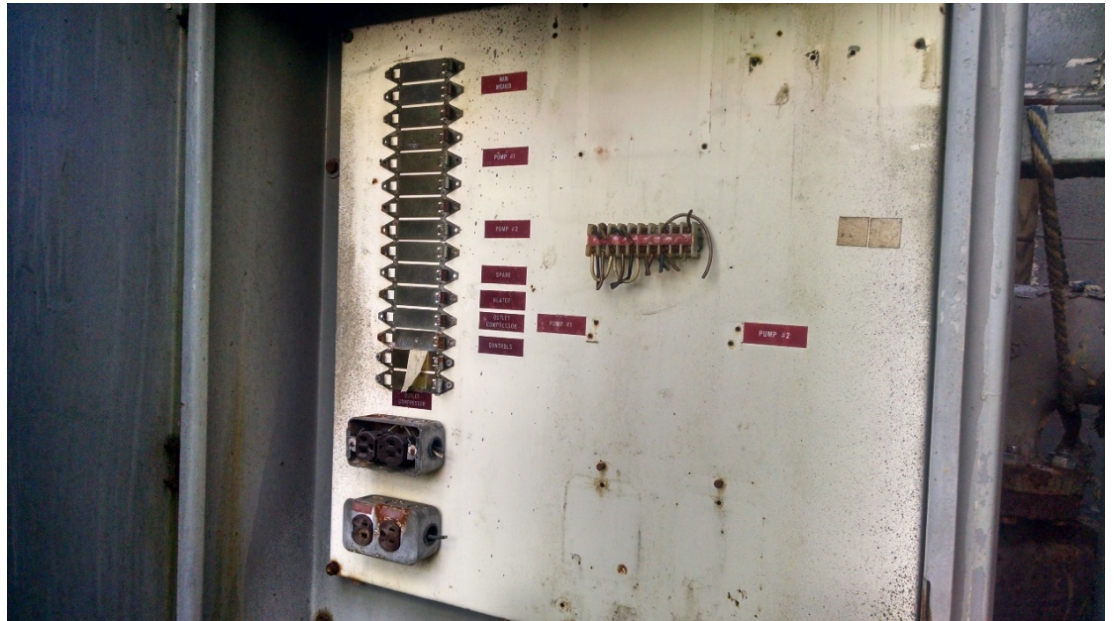


DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 011
Date: February 25, 2021
Time: 8:46 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: 53rd & Market Station (#3)
Notes: This is a photograph of the sewage debris on the ground surface adjacent to the lift station.



Photo #: 012
Date: February 25, 2021
Time: 9:06 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Block House Station (#13)
Notes: This is a photograph of the control panel for the abandoned block house lift station. The door to the station was open and the roof to the station was deteriorated and open to the weather.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 013
Date: February 25, 2021
Time: 9:06 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Block House Station (#13)
Notes: This is a photograph of the abandoned Block House lift station.



Photo #: 014
Date: February 25, 2021
Time: 9:06 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Block House Station (#13)
Notes: This is a photograph of the abandoned Block House lift station. Note the open wet well within the station. The open well is a safety issue and a potential I & I route.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 015
Date: February 25, 2021
Time: 9:08 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Block House Station (#13)
Notes: This is a photograph of the outside of the abandoned Block House lift station.



Photo #: 016
Date: February 25, 2021
Time: 9:48 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lady of Snows (#20)
Notes: This is a photograph of the Lady of Snows lift station. The concrete cap had recently been replaced. The station had a temporary submersible pump installed that was pumping above ground to downstream manhole.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 017
Date: February 25, 2021
Time: 9:49 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lady of Snows (#20)
Notes: This is a photograph of the Lady of Snows lift station. Note the sewage debris on the ground surface from previous overflows.



Photo #: 018
Date: February 25, 2021
Time: 9:49 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lady of Snows (#20)
Notes: This is a photograph of the Lady of Snows lift station. This a photograph of the abandoned dry well for the station. The well was not properly locked or secured. Again., note the sewage debris on the ground surface from previous overflows.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 019
Date: February 25, 2021
Time: 9:49 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lady of Snows (#20)
Notes: This is a photograph of the Lady of Snows lift station. This a closeup photo of the wet well lid. Note that the lid is not properly secured due to the PVC exiting through the top of the wet well. Also note the wiring entering through the wet well lid.



Photo #: 020
Date: February 25, 2021
Time: 9:50 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Lady of Snows (#20)
Notes: This is a closeup photograph of the sewage debris on the ground surface next to the wet well lid.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 021
Date: 10:19 a.m.
Time: Joe Stitely, BOW
Taken By: Commonfields of Cahokia
Facility: Lady of Snows (#20)
Location: This is a photograph of the
Notes: downstream manhole that
the temporary submersible
was discharging. The
manhole is located about
350 feet east of the station.



Photo #: 022
Date: February 25, 2021
Time: 10:39 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: NW of Block House
Notes: This is a photograph of an
unnamed station located
about 300 feet NW of the
Block House lift Station.
The lid was removed, and
a pipe is holding up a
temporary submersible
pump via a chain. This
station is a safety risk.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 023
Date: February 25, 2021
Time: 10:58 a.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: █ Violet Station (#1)
Notes: This is a photograph of the lift station located near the Violet Drive. There was sewage debris on the ground surface next to the station due to previous overflows.



Photo #: 024
Date: February 25, 2021
Time: 12:09 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Bridgedale Station (#14)
Notes: This is a photograph of the Bridgedale lift station. The station was utilizing a temporary submersible pump.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 025
Date: February 25, 2021
Time: 12:09 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Bridgedale Station (#14)
Notes: This is another photograph of the Bridgedale lift station. The station's dry well was full of water and not locked to prevent access.



Photo #: 026
Date: February 25, 2021
Time: 1:11 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Greystone Apts. (#18)
Notes: This is a photograph of the lift station located in the Greystone Apartment complex. No evidence of any recent overflows. It should be noted that if an overflow were to occur, it would discharge onto a playground area.



Photo # 027
Date: February 9, 2021
Time: 1:11 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Greystone Apts (#18)
Notes: This is another photograph of the lift station located in the Greystone Apartment complex.



Photo #: 028
Date: February 25, 2021
Time: 1:40 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Creston Drive (#17)
Notes: This is a photograph of the wet well and dry well for the Creston Street lift station.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 029
Date: February 25, 2021
Time: 1:40 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Creston Drive (#17)
Notes: This is a fenced area surrounding the control panel for the Creston Street lift station.



Photo #: 030
Date: February 25, 2021
Time: 1:46 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Superior Station (#26)
Notes: This is a photograph of the Superior lift station. The access hatch to the dry well was properly locked and secured.



DWPC INSPECTION DIGITAL PHOTOGRAPH PHOTOCOPIES

Photo # 031
Date: February 25, 2021
Time: 1:46 p.m.
Taken By: Joe Stitely, BOW
Facility: Commonfields of Cahokia
Location: Superior Station (#26)
Notes: This is a photograph of the wet well and dry well for the Superior lift station.

