To: Judson, Edward[ejudson@idem.IN.gov]
From: TERNIEDEN, LUCIO
Sent: Fri 2/7/2025 12:31:07 PM
Subject: FW: Jasonville site visit - Feb 5th
Received: Fri 2/7/2025 12:31:10 PM

Please add to VFC. Thanks.

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From: Malone, Edward G <EGMalone@idem.IN.gov>
Sent: Thursday, February 6, 2025 4:14 PM
To: Powers, Alexander <APowers2@idem.IN.gov>; Goodwin, Travis <TGoodwin1@idem.IN.gov>; TERNIEDEN, LUCIO <LTERNIED@idem.IN.gov>; Murphy, Liam R <LRMurphy@idem.IN.gov>
Subject: FW: Jasonville site visit - Feb 5th

Alex, Travis, and I went by the Jasonville plant yesterday, these are my notes relative to this site visit.

Travis – please let me know if you see anything that needs clarified or corrected. I was at the plant for about an hour.

At the time of my site visit the plant was pumping 435 gpm, the discharge pressure was 62 psi. I spoke to Bob on the phone – he was not available to meet with me at the plant.

The existing plant has been demolished except for the filter and aerator, these remain in use with temporary wiring and piping. The valves for backwashing the filter cells have been converted to manual valves.

Graves construction – at the time of my visit no one was working at the facility, Bob indicated the contractor was working to finish up the project on the WWTP and they should be back on site at the end of the month. He was told by their inspector – Troy to expect the filter to be delivered potentially in April.
Demolition has been completed of the existing pump station, the damaged filter and aerator, and a significant portion of the plant piping. The propane tank has been relocated. I assume they are waiting on material deliveries before they resume construction, not sure of what the schedule is for these components to be delivered to the site.

Pump Station:

- The pump installed in the temporary pump station is a - 75 HP – 1500 gpm pump- they incorporated a VFD to operate the pump at the appropriate flow rate. Bob indicates that the current pump is running approximately 14 hours per day – as their volumes are down to around 400,000 gpd. Prior to the December fire they had two 30 HP pumps operating 20 hours per day, producing approximately 475-500,000 gallons per day. The lack of a HS pump redundancy remains a concern, as it could be 6-8 months before the reconstructed facility is ready to pump water.
- They installed a new RAFA controller –controlling the wells and HS pumps. It also is tracking the tank levels, discharge flow and the VFD speed. I followed up with Bob to confirm what the Scada controller was running/monitoring – it monitors tank and filter levels to control both the wells and HS pump, it also controls the Hypo feed pump. It currently does not operate the aerator; they are leaving it running all the time in manual. They are also able to get run times for the HS Pump and chlorine feed pump information.
- Since my last visit they have addressed some of the issues we discussed. They installed an air relief on the discharge of the HS Pump, and installed a heater and insulated the Conex structure.
- They may need to evaluate how they ventilate this structure during the warmer months as this could get very warm with the pump and VFD operating.
- Travis has been working with Bob relative to expenses associated with the emergency construction, there will also need to be additional expense in reviewing the condition of the filter and aerator, replacement of damaged/lost equipment and decommissioning expense.

- They replaced the handheld chlorine analyzer, reagents, and sample bottles destroyed in the fire – they do have a second analyzer for backup.

- They continue to match the well input with their output of the HS Pump.

- I did not see a fire extinguisher at the temporary pump station facility or in the filter area, they are using a portable heater in the filter area, Bob indicates he has one available and would follow up to have it delivered.
- They have installed interior and exterior lighting on Conex structure and lighting in the filter area.
- The emergency generator and transfer switch are connected to the temporary pump station.

Chemical feed

- I did not see where they are storing the full drums of Sodium Hypochlorite – the empty drums are stored outside the Conex structure. Bob indicated they are storing the chemicals in the City Garage and transport them to the plant site. I asked if they were in containment, he indicated they were stored on pallets.
- They installed one peristaltic feed pump in the pump station, they currently do not have a redundant pump. Bob indicated he discussed this with his vendor, and they have an additional pump available for them if needed.
- They installed scales for the hypo day tank, they are recording the daily usage of hypo on the daily sheet.
- Chlorine feed point – Bob indicated that they had some fouling of the injector quill . They intend to establish a routine maintenance schedule to clean this monthly to avoid having issues with buildup on this
- They have installed a sample tap on the pump discharge, it appears that this is also being used for other purposes – it is threaded for these uses

Piping/ protection

- Temporary piping installed between the filter outlet and the temporary pump station; temporary piping also installed from the discharge of the booster station to the network. not sure what information was expected to be provided to IDEM relative to the temporary booster construction. what is needed?
- They have installed protection on temporary piping to prevent damage by construction equipment and weather (insulation/heat tape)
- They installed a temporary door to the filter area as the remainder of the plant is now demolished. They have a portable space heater in this area.


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