

Emergency Declaration Request
3/7/2023 Plant Superintendent
Binghamton-Johnson City Sewage Treatment Plant

Board members,

On February 14th while on my daily rounds I noticed a link-Seal leaking in the Generator building (Building 9) basement. I took 3 Photos (Attached) and reached out to the Head Mechanic and Facilities engineer to inform them. They responded with Mechanics to the area to investigate and removed insulation to what appeared to be a minor ground water leak through the Link-Seal.

It appeared only one link-seal was installed so a second one was ordered. It was also noted that the one link seal was installed from the outside of the building (Underground) so they could not check for tightness.

We noted at that time the water consumption was averaging 532,932 gallons/week. On the next weekly reading the consumption had jumped to 708,559. As some weeks have reached up over 650,000 gallons/week this was a concern but not alarming.

During this time the second Link-seal was installed and it appeared there was no water coming into the building. However the next reading was determined to be 874,927 gallons/week.

Howard started reaching out to vendors to get pricing for leak detection services. We had several responses but no quotes. We brought this up after a finance meeting where we were told to ask for an emergency resolution as the water leak could potentially damage the buildings footings and allow pathogens to merge with the water feeding the rest of the plant, including showers and the potable water supply. (Potentially creating an employee safety concern).

Yesterday we received a quote from Evans Mechanical on the Broome County Bid list to have their Sub contractors GPRS and ZMK for leak detection for 4 nights not to exceed \$32,175.00.

If Leaks are found further action (Excavation and repair) will be an additional fee. Based on the above info I would request an emergency declaration be declared allowing us to enter into a contract with Evans for this service and further proposals for Excavation and repair of any leaks.

Thank you.

Elliott Wagner

Superintendent

Binghamton-Johnson City Sewage Treatment Plant



Feb 14, 2023 at 6:57:47 AM





H-Line Update
3/10/2023 Plant Superintendent
Binghamton-Johnson City Sewage Treatment Plant

Board Members, Al Paniccia,

On my daily plant inspection of Wednesday March 8th 2023 I noticed H-Line leaking. This is not typical of the daily conditions, so I took a few videos to document the condition. Notified the facilities engineer and Head mechanic. I then notified Ron Lake by phone and we spoke about notifying GHD and inquiring as to the Warranty for the "Emseal" Mr. Lake indicated he would come out on Thursday at 8am.

Several times on Wednesday I returned to the H-Line and noticed the leaking to have lessened.

On Thursday morning the plant engineer , Ron Lake and I met at the H-Line we each grabbed a photo and video. We spoke about possibly lining the channels completely or at least partially. Mr. Lake said he would get the ball rolling.

On Friday morning the Assistant Superintendent and I Inspected H-Line and the leak appears to have increased and migrated North. I then took another Pic and emailed Mr. Lake who ended up speaking with GHD, and Downtown.

I contacted John Lagorga at GHD and asked him to come down and look or at the very least email me with his intentions moving forward. He indicated he would get with his structural team JL Richards I believe and get back to me.

Several times I explained to Mr. Lagorga the urgency and affect the leak is having on personnel who have just spent 6 months recovering from the Viewport issue, and potential for damage of equipment just replaced due to the Viewport. Mr. Lagorga agreed he felt similar and returned my call later indicating he had spoken with Structural and believe there to be no danger of catastrophic structural failure. He said they felt it was temperature related and the concrete expanding and contracting. He also stated he will be researching with JL. Richards how to proceed moving forward.

We have wrapped and shielded the Electric panel under the H-Line and have told operators during their checks to stay on the staircase until further notice. As of now the sump pumps are capable of keeping up the with the leak.