

EX-109  
Received  
@ PHT  
on 9/3/24

September 2, 2024 Gary Schneider 101 Inchcliffe Dr, Gales Ferry

- ✓• This is a wastewater treatment facility (package plant) where the effluent is conveyed to a subsurface disposal field. The Towns WPCF discharges to infiltration beds or to the brook during high flows. The DEEP requires that the town have an operator with a Class IV license to operate, the highest classification. This should apply to this treatment facility. Vague words, such as 24-hour monitoring with an on-call treatment persons is not adequate to protect the environment. *9/3*
- ✓• DEEP's requirement for calculation of the flow is 150/gallon/day/bedroom. In Sweet Hills application, they are using ~~61~~ gallons/day/bedroom based on 1 experience from a development in San Francisco (49 gallons with a factor of safety of 1.5). Only 1
- ✓• When it fails, and it will, how will the raw sewage be handled? Bypass pumping? Gasoline tankers can hold 11,000 gallons. At their calculated flow, it will take 3-4 tankers per 24 hours. How will they handle the hose connections to avoid spillage on the ground either of the raw sewage if the entire treatment system goes offline; or the effluent if there is issue with the field?
- ✓• Off loading the Waste activated sludge (WAS), what is in place to handle a spillage?
- ✓• The injection fields are adjacent to the buildings. It appears they will be using slab on grade construction. How does the pressure from the slab on grade affect the field?
  - Mounding plan appears to have a different version of the plan.
  - This is being built close to an AE FIRM area, the highest risk area. How does the ~~38,000~~ *52,000* gallons per day (14 million per year) affect this zone during a flooding event?
  - Is there any effect on the water course as it flows down to the culvert at Harvard Terrance and then to the dam a Smith Pond Way?
- ✓• Test Pit-3 hit ground water at 6 feet, Boring 105 at 7 feet. Plans call (attachment Q, page 4) for 4 buried large diameter treatment tanks. Where are these tanks buried? What is the protection of the wetlands during and after construction.
- ✓• Plans need to be stamped by a CT PE
- ✓• There are areas identified as ~~secondary~~ fields. That is fine. The injection system is a large series of pipes and valves. How long will it take to switch to the new field?
- ✓• Is this plan consistent with the Ledyard Water Pollution Control Authority July 2, 2014 report prepared by CDR Maguire (Project No 18575-01)

REVERSED