May 28, 2020

To Clerk Don Brown
TLWQS PCB 2016-014
IPCB,

     Chicago Salt Company is in the business of making salt brine for municipalities and other customers. To make salt brine we purchase salt crystals and add water to ascertain a certain salinity. We then pump the water from our processing tanks into our storage tanks to load into tanker trucks when customers call in their orders.
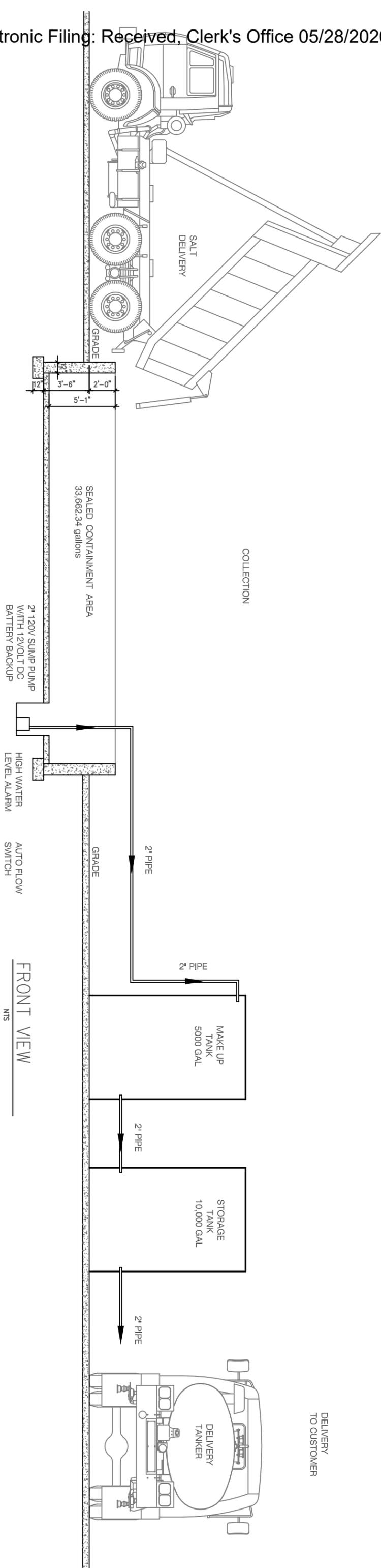
     When our salt pile is stored outside in a containment area and it rains, the added water to the salt pile doesn't affect our manufacturing operations if it is not covered. The salt is in a self-contained area, when it rains the rain hitting the salt helps us make brine. We then pump the rain salt brine out of the containment area and into our liquid make up tanks then add whatever additional salt or water we need to attain the liquid to desired salinity. Most of the time the salinity in the containment area is higher in salinity then we need. So we have to add water to get to the salinity requirement for road de-icing liquid.
The rain water is free.

     In this containment system there is no water runoff. The water is contained within the walls of the containment area and used in our brine production process.

     We believe that this system abides by all the rules and regulations for not allowing water from salt storage piles from entering into the environment by means of ground penetration or into the sewers, creeks, streams and rivers.

     At this time, I am asking the Illinois Pollution Control Board to take this information into account for the BMPs requiring all salt piles to be covered. Attached is a drawing of our system for you to preview.

Leon Benish
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SALT
DELIVERY

GRADE

GRADE

5'-1"

3'-6" 2'-0"

12"

12"

SEALED CONTAINMENT AREA
33,662.34 gallons

2" 120V SUMP PUMP
WITH 12VOLT DC
BATTERY BACKUP

COLLECTION

HIGH WATER
LEVEL ALARM

AUTO FLOW
SWITCH

GRADE

2" PIPE

2" PIPE

MAKE UP
TANK
5000 GAL.

2" PIPE

STORAGE
TANK
10,000 GAL.

2" PIPE

DELIVERY
TANKER

DELIVERY
TO CUSTOMER

FRONT VIEW
NTS

SALT
DELIVERY

12"

12"   30'-0"   12"

30'-0"

COLLECTION

SEALED
CONTAINMENT
AREA
33,662.34 gallons

12"

2" 120V SUMP PUMP
WITH 12VOLT DC
BATTERY BACKUP

HIGH WATER
LEVEL ALARM

AUTO FLOW
SWITCH

2" PIPE

TOP VIEW
NTS

2" PIPE

MAKE UP
TANK
5000 GAL

2" PIPE

STORAGE
TANK
10,000 GAL

2" PIPE

DELIVERY
TANKER

DELIVERY
TO CUSTOMER