

JUN 3 - 1968

Attachment I

SSW-4

MORSE

CHAIN

TOMPKINS COUNTY  
HEALTH DEPT.

Sampling Points  
for water testing

Sheet I

Refer to drawing

Object:

To determine source of water that was passing through garage of Mrs. Charconna on 125 S. Hill Lane, the complainant.

- #1 Large clay tile - coming from the direction of Morse Chain parking area.
- #2 Concrete spillway - large amt. of water.
- #3 Concrete manhole - steel cover - 2-1" pipes going to lower bldg. No water but shows signs of lots of water coming through concrete openings by pipes.
- #4 N.W. corner of steel shed - small amt. of clear water.
- #5 20 ft. below steel shed. No water flowing at the time but there is a large tile drain near top of bank. There is signs of a tremendous amt. of water coming down this bank at times. Very dirty - grass dead both sides. Signs of rats - paper & etc.
- #6 Large - 2'x2' sluiceway coming out of center of bank. A lot of clear water flowing. Green moss growing on rocks - No dead grass on edges.
- #7 3'x6' dead opening in side of bank - Approx. pipes & small 4" pipe. No signs of any great amt. of water coming from above - small seepage through rocks - not enough to get sample. This seems to be best place for water to travel under the railroad tracks as there is a large channel that has been cut through the rock under tracks.
- #8 4" steel pipe by a 4" vertical pipe. Very rusty water - not much water at this time. This water can easily get across tracks because of track switch & ties. Signs of much water passing across tracks at this point.
- #9 At foot of failed slab - just a few feet down from #8. Large amt. of hot water coming from 8" pipe by foot of bank. Rocks have grayish white deposits with brownish deposit on sides.
- #10 A rocked up culvert that seems to be plugged with roots & vegetation debris - A small amt. of very clear water coming out.
- #11 This seems to be a series of several small and one large streams coming down from through rock & shale from very high up on bank - where a very large amt. of water is coming down. Grass dead - brown deposits on rock - slightly milky water at times.

### Sampling Points Sheet II

for water testing - Continued - Refer to drawings

Mr. Chanconna - 125 S. Hill Terrace - Complainant

#12 This is a large concrete culvert in creek bed that diverts all water under tracks and down east side of S. Cayuga St.

#13 Just below #12 is a large area of oil seepage through bank. Observed about several days ago but none today (5/20/68)

#14 This water is running down walkway alongside of concrete walls, spillway & culvert where a congregate of the above sampling points pass under S. Hill Terrace and into Six Mile Creek on the west side of South Cayuga St., just below Moss Chain's raw water pump station.

#16 City fire hydrant - used as a control along with the City Filtration plant Chlorine Effluent at Water St.

#17 A collection hole was dug in the back of vacant lot where a considerable amount of water is coming out all along bank.

#18 Garage of 125 S. Hill Terrace - where water is coming down through opening in garage from S.W. corner of garage.

#19 The water going through garage of 125 S. Hill Terrace was traced back to the S.E. corner of back lot of 123 S. Hill Terrace where a continuous stream of water and oil was observed coming out of bank just below Moss Chain parking lot.

#20 Moss Chain fire hydrant that was observed on 5/10/68. to be leaking internally & externally.

This water was proved to be city water and same was proved to be a major part of water flowing from bank of 123 S. Hill Terrace. Moss Chain repaired hydrant 5/15/68 whereby about 80 gals of total flow at 125 S. Hill Terrace was stopped.

#21 This is a steel shed attached to Moss Chain bldg. #21 that houses what appears to be a oil filter assembly. A sample of oil taken at this point appears to be of the same texture as that observed at sampling point #19.

#22 At this point in the boiler room there are two large Permutit water softeners. These softeners are recharged nearly every day with a very strong (MCL) salt brine. This salt brine residue (CaCl<sub>2</sub>) is then dumped out two times per day out bank through sampling point pipe #8. The chloride content of this brine is very thousands of mg/L known as no tests were run of it.