



July 29-30/12 Cape Dorset: Inspection of license number 3BM-CAP0810 – *Expired*

Samples taken near the water intake system at Tee Lake (blue arrow), effluent outfall (yellow arrow) and small pond near the metal dump (red arrow).

Water intake System




- A visual inspection was conducted of the pipeline and intake system at Tee Lake. No issues were noted.

Water Treatment Facility



- Dirt in the chlorine tank that has settled to the bottom, also a barrel of glycol in the facility at the time of inspection

Chlorine Records

 Community Water System
Date: July 22 to July 28
Operator: _____

	22 Monday	23 Tuesday	24 Wednesday	25 Thursday	26 Friday	27 Saturday	28 Sunday
Time							
Accuflow Meter Located at Truck Operator Panel (x 100 L)							
Flow Rate of Water Pump							
Chlorine Tank Level							
Chlorine Pump Stroke Setting							
Free Chlorine (mg/L) Between 0.2 and 0.5	<u>36</u>	<u>28</u>	<u>.08</u>				
Total Chlorine (mg/L)	<u>.37</u>	<u>.27</u>	<u>.21</u>				
Building Temperature (°C)							
	Pump Room						
	Generator Room						
Heat Trace Power On (Y or N)							
	Pump Room						
	Truck Fill						
Operator Initials							
Comments:	(Identify and make note of any problems)						

- Records were incomplete and the record sheet did not specify what was being tested or sampled, whether it were each truck load or one truck load a day etc.

Leakage at New Lagoon



- There is a continues flow of water at the toes of the lagoon. This was an issue in previous inspections also.



- 2 of the 4 thermistors onsite at the new sewage lagoon appears to be vandalized and do not have any data loggers attached to them.

Metal Dump and Hazardous Waste Material



- Old batteries were being stored outside in 45 gallon drums that had been mixed with water. A recommendation was given in 2011 to separate the batteries and water and to dispose properly. Also a bucket of oxidizer was in one of the sea lift cans segregated for old paint and hazardous materials.

Runoff at the Metal Dump, Sampling area



- Collected sample where the red arrow is pointing, runoff from the metal dump that has formed a small pond.

3 Tier Lagoon system



Third tier of the 3 tier lagoon



Outside wall of the third tier

- The outside wall of the third tier of the three tier lagoon system had considerable erosion and was in a poor state of repair, also an issue in previous inspections. The effluent color in all cells was black and still visible in the stream running down from the third cell of the lagoon into Telik Inlet. A recommendation was given in the 2011 inspection for sampling to be done on the effluent to find out why it is black; no results were submitted for review.

Dump



- The municipality still has not installed a fence around the dump so wind blown garbage continues to spread.

Old sewage lagoon



- Still a continuous flow under the berm and down the hillside releasing raw effluent into the marine environment, this was also an issue in previous inspections. A ditch was also created along side of the lagoon that is filled with effluent, it was not present in previous inspections.

Old lagoon Flow



- The flow goes underneath the road and down the hill side into Telik Inlet