Lagoon discharge will proceed as follows: March 11th 2019 - UPDATE

1. Gypsum will be applied to cells.

Gypsum Supply:

60-70% 325 mesh like flour = \$200/ton Shipping: \$100 per tons Total: \$300 / Ton

Quantity Required: 12 Tons (9 Totes) Total Budget: \$3600

Required Date: Latest by Friday 15 March 2019

Delivery Address: 1208A-Hwy 642 Sandy Beach, AB. Delivery Truck call Lagoon Manager and Lagoon Manager will direct the location where the Gypsum is to be unloaded.

Gypsum Application:

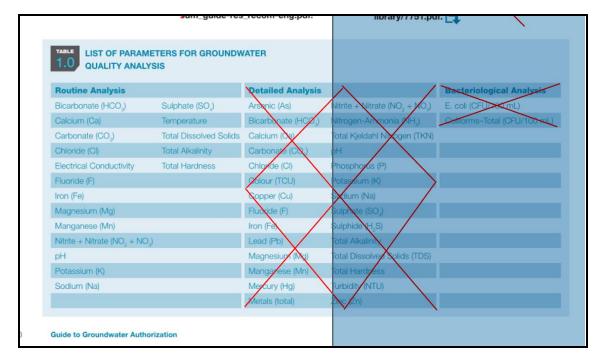
- 1) Hydrovac truck will be filled about 50% from the top of 1st Cell (no solids, just water)
- 2) Two (2) totes of Gypsum will be vacuumed into the truck
- 3) Hyrovac truck will be filled with water and mixed
- 4) The water in hydrovac truck will be released onto the surface of the storage cells
- 5) This process will be repeated till equal volume of gypsum is applied to each storage cell

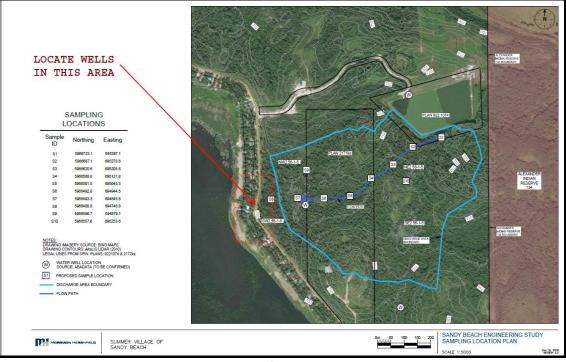
2. <u>Water testing and release will take place – note the location of the release</u>

Water Testing:

Alberta Environment is also asking for water testing as follows:

- 1) Water from the Lagoon.
- 2) Water from well closer to the release area
- will collect water testing bottles from the Health Department in Onoway.
- It is my understanding that the health department also offers subsidized testing of the well water.
- confirm with them whether they would be able to complete Alberta Environment <u>Routine</u> <u>Analysis</u> for Groundwater Quality Analysis per the attached page.
- will find wells in the area close to the release area in the attached map.
- Well water sample will be collected and the time, date, location will be recorded
- will punch hole in the frozen cover of the final cell in the lagoon to collect wastewater sample.
- The samples will be sent to lab for the testing.





Water wells location for extraction and testing

