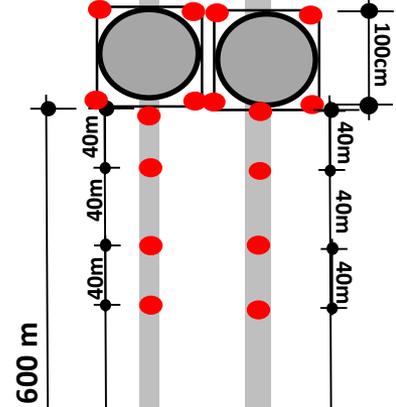
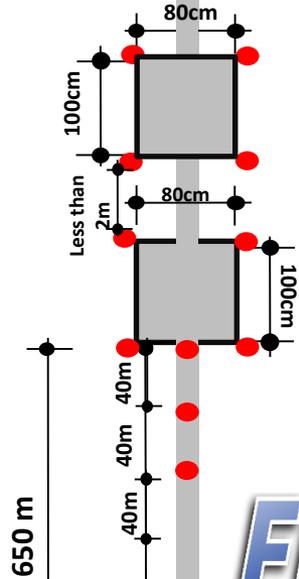


Raw Sewage Treatment Using Freytech EBD Technology

Slaughter House Tanks

Raw Sewage Tanks



FREYTECH INC.

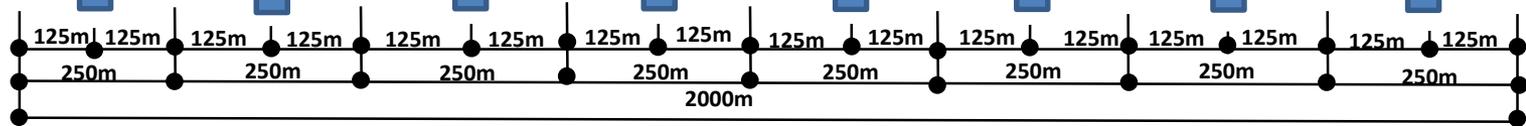
- 65 EBD Soil Pack Units
- 17 EBD River Pack Units



17 Soil Packs (SP) × 1 = 17 units for one Pipe (650m ÷ 40m = 16.25 rounded up to 17). Install at 40 m pipe intervals + 1 unit on each of the 4 corners of each rectangular tank. 17 + 8 = 25 total units.

16 Soil Packs SP × 2 = 32 units for two pipes (600m ÷ 40m = 15 + 1). Install at 40 m intervals on both pipes + 4 units. One SP placed on each corner of a square configuration surrounding each round tank. 32 + 8 = 40 total units.

RIVER



EBD SOIL PACK (SP) INSTALLATION INSTRUCTIONS

1) If the connecting PVC pipe between the two slaughterhouse collection tanks is longer than two meters, install two additional EBD Soil Packs (**SP**) on or above the connecting PVC pipe.

2) For **SP tank installation**, there are two different installation options: **A)** Position and **secure** one EBD unit **horizontally** below ground, on top of each of the 4 corner ledges of each underground rectangular tank, or **B)** From street level/grade, dig a small 30 cm deep hole above each corner of each rectangular tank and bury each SP unit **horizontally**, cover each hole with soil and seal the top with asphalt or cement (if the municipal area is paved). The same applies for round /cylindrical tanks. Even though the tank is round in configuration, install one SP unit below ground at 30 cm in depth, at each corner of an “imaginary square” which contains the circular tank within the square. Please see installation diagram on Page 1.

3) For **SP below ground pipe installation**, dig small 30 cm deep holes every 40 meters **directly above** the entire length of the underground pipeline. Install the first SP unit directly above each tank’s outlet discharge pipe and continue installing every 40 meters downstream. EBD Soil Packs do not need to be in direct contact with the pipe. Ensure that each unit is buried **horizontally** in each hole, cover with soil and seal the top with asphalt or cement (if the municipal area is paved).

EBD RIVER PACK (RP) INSTALLATION INSTRUCTIONS

- 1) River pack (RP) systems are necessary to complete the remediation process.
- 2) For **RP river installation**, dig small 30 cm to 50 cm deep holes every 250 meters in **zig zag formation** along both sides of the river banks. Dig the first hole and install the first RP unit **10 meters upstream** of where the first of the three waste water pipes discharges to the river. Install each RP **horizontally** in each hole. Cover the hole containing the RP unit and continue installing each additional RP unit downstream **from that starting point** in zig zag formation as reflected in the installation drawing on Page 1 above. Note: The installation drawing on Page 1, reflects RP units installed along the river, directly around the area of the sewage pipes. This is for illustration purposes only in order to reflect the RP units on the same Page 1. Ensure however, that the first RP unit is buried in a hole located 10 meters **upstream** of where the first sewage pipe is discharging into the river.
- 3) Install the 17 RP units in uniform zig zag formation every 250 meters on both sides of the river bank. The total RP river installation length is **2 km** (2,000 meters) long. Each 30 cm to 50 cm deep hole should be uniformly located within 7 m from the river bank's edge. Install RP units farther away from river bank areas which are prone to flooding. Install all RP units as uniformly as possible (hole depth as well as distance from the river bank).

RAW SEWAGE TREATMENT USING EBD TECHNOLOGY

A) Once both EBD systems are installed, allow for 3 to 4 months to achieve partial remediation capability. By that time, foul odors will be greatly reduced or eliminated all together. With each passing month thereafter, EBD systems will provide ever increasing remediation results. Continuous and ongoing remediation of raw sewage and slaughter house waste water, will be achieved within 6 to 12 months after installation.

B) By the end of the 6 to 12 month period after installation, all of the organic as well as inorganic waste water flowing continuously through the EBD treated tanks, discharge pipes and 2 km stretch of river, will be adequately treated on an ongoing 24/7 “flow through” basis. The greatly enhanced quality of the EBD remediated water will protect river health and its ecosystem.

C) EBD Soil Packs (SP) and EBD River Packs (RP) also remediate heavy metals.

D) EBD Soil Packs (SP) will remediate toilet paper as well as sanitary napkins. However, EBD units will not cause remediation of all man made floatables, such as items made out of plastic, metal etc. Freytech Inc. recommends the installation of inverted PVC elbows at tank inlets in combination with steel screens upstream of the tanks to trap and contain such floatable items before they enter the EBD equipped tanking systems.

WATER QUALITY & TESTING

E) EBD SP and RP Systems will provide clean “river quality water” on a continuous 24/7 “flow through” basis even as raw sewage continues to flow into the tanking and piping systems on a continuous 24/7 “flow through” basis as well. The EBD technology will continue to function effectively, so long as each of the EBD units remain undisturbed and in the same position and place where originally installed.

F) River water samples for testing and analysis should be taken from river water located at 1.8 km to 1.9 km **downstream** of where the first EBD RP unit is located. The best river water quality will be located close to the end of the 2 km EBD treatment section. This is where the treated water has been subjected to the EBD remediation effects the longest amount of time.

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