

**Round: 1B**

Contamination from land-based sources is causing more beach closures nationwide. The sign above is posted at a public access beach.

1. What do state health officials test as an indicator of sewage pollution and human health risks, often leading to beach closures?

*Fecal coliforms OR E. Coli OR Enterococci sp. (3 pts)*

2. a. State three (3) characteristics of non-point source pollution.

*Non-point source pollution comes from diffuse sources (2 pts), occurs over large areas (2 pts) and is associated with particular land uses (2 pts)*

- b. Give two (2) examples of non-point source pollution.

*Accept any two (2) of the following (2 pts each, 4 pts total):*

- *Urban run-off: car leaks, animal waste, litter*
- *Agricultural run-off: fertilizers, herbicides, pesticides, animal waste*
- *Sediment from construction sites, agricultural lands*
- *Salt from irrigation practices, road salting, streambed erosion*
- *Bacteria/nutrients from livestock and residential septic systems*
- *Atmospheric deposition*

3. a. Define point source pollution.

*Point source pollution comes from an easily identifiable source such as a pipe or drain. (3 pts)*

- b. Give one (1) example of point source pollution.

*Accept any one (1) of the following for 2 pts:*

- *Sewage treatment plants*
- *Storm water drains*
- *Industrial facilities outputs*
- *Sewer pipes*

4. What federal legislation regulates point source pollution?

*Clean Water Act (2 pts)*