Assignment 7

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1. Consider a site contaminated with TCE. The soil has a hydrophobic conductivity of 3.12 -19 m/s; hydrophobic gradient of groundwater is 1 × 10^-5. The area of the site is 600 x 600 feet. What is the ratio of the groundwater velocity to Darcy's velocity? 

Due on 2020-03-18, 23:59 IST.

2. A hazardous waste landfill is proposed for a state facility such as the impermeable type. HDPE, leachate collection system, and a landfill leachate control system were considered designed for FW landfill. But the gas vent was not considered while designing of FW landfill. Select the proper reason for not designing the gas vent.

3. A hazardous waste landfill is proposed for a state facility such as the impermeable type. HDPE, leachate collection system, and a landfill leachate control system were considered designed for FW landfill. But the gas vent was not considered while designing of FW landfill. Select the proper reason for not designing the gas vent.

4. A soil contaminated with chloroform is to be treated by excavation and transportation to a TDF facility. The TDF facility is 36 km away from the site. The hydrostatic pressure exerted is 1.3 N/cm². The depth of contaminated soil is 50 cm and area of the site is 5 x 3.4 km². Assume that cost of hauling is $25 per truck and truck volumes is 5.4 m³.

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8. A soil contaminated with chloroform is to be treated by excavation and transportation to a TDF facility. The TDF facility is 36 km away from the site. The hydrostatic pressure exerted is 1.3 N/cm². The depth of contaminated soil is 50 cm and area of the site is 5 x 3.4 km². Assume that cost of hauling is $25 per truck and truck volumes is 5.4 m³.

9. A soil contaminated with chloroform is to be treated by excavation and transportation to a TDF facility. The TDF facility is 36 km away from the site. The hydrostatic pressure exerted is 1.3 N/cm². The depth of contaminated soil is 50 cm and area of the site is 5 x 3.4 km². Assume that cost of hauling is $25 per truck and truck volumes is 5.4 m³.

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