

Hydrologic Modeler Interview Questions

1. What factors do you consider when conducting feasibility studies for the construction of facilities, such as water supply systems, run-off collection networks, water and wastewater treatment plants, or wastewater collection systems?

2. Share an example when you designed pumping systems, pumping stations, pipelines, force mains, or sewers for the collection of wastewater.

3. What kind of experience do you have designing domestic or industrial water or wastewater treatment plants, including advanced facilities with sequencing batch reactors (SBR), membranes, lift stations, headworks, surge overflow basins, ultraviolet disinfection systems, and aerobic digesters?

4. Tell me about the last time you wrote technical reports or publications related to water resources development or water use efficiency.

5. Walk me through how you review and critique proposals, plans, or designs related to water or wastewater treatment systems.

6. Describe an experience when you provided technical support on water resource or treatment issues to government agencies.

7. Have you ever provided technical direction or supervision to junior engineers, engineering or computer-aided design (CAD) technicians, or other technical personnel? Share an example.

8. What is the most challenging part of identifying design alternatives for the development of new water resources?

9. What kind of experience do you have developing plans for new water resources or water efficiency programs?

10. What factors do you consider when designing or selecting equipment for use in wastewater processing to ensure compliance with government standards?