



## Monitoring Overview Based on Remedial Technology and Conceptual Site Model

- Implement a ground water monitoring program based on CSM
- Evaluate data to determine the effectiveness of the remedial actions
- Re-evaluate remedial action technology



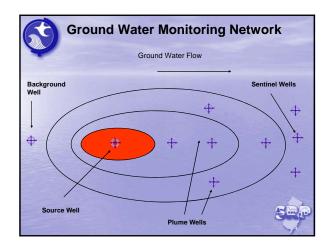


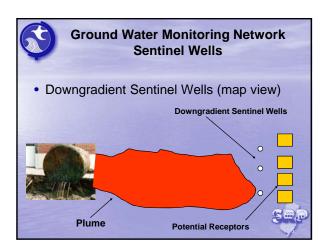
## **Ground Water Monitoring Network**

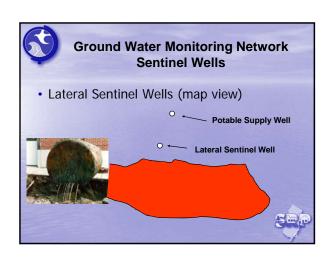
Performance monitoring wells should be located:

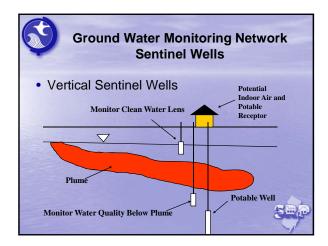
- ➤ Source area
- ➤ Plume & plume fringe area
- Upgradient of receptors (sentinel wells)

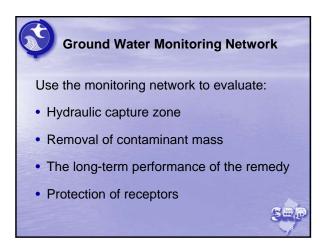
















## **Remediation Technology Evaluation**

What do the data show?

Did the remedial action achieve the objectives?

- Effective source control
- Decrease in dissolved contaminant concentrations
- No threat to receptors





# **Technology Evaluation**

Remedy is effective

OR

Data indicate adjustments are needed





# **Apply for Remedial Action Permit**

- After one year....
  - Is system operational and functional?
  - Does the system meet remediation goals?
  - Is the ground water monitoring program adequate?
  - Is a revised monitoring program required?
  - On track for natural attenuation?



