

AWWA PNWS Inland Empire – Well Operation, Assessment and Rehabilitation

Abstract

This webinar will present information to help the attendee understand, diagnose and address issues that can affect the productivity and reliability of groundwater supply wells. The presentation will begin with a discussion of the types and design elements of wells more typical to the Pacific Northwest, common issues and symptoms encountered during their life cycle that can affect the yield and reliability of a supply well, and the types of operational data that can help identify and proactively address issues. Next, approaches to diagnosing and identifying solutions for well performance and integrity problems will be summarized. The understanding of how biogeochemistry of well environments can affect well condition and performance has advanced significantly; we will discuss some biological and geochemical-based well issues, as well as some tools for evaluating potential risk factors for wells. The presentation will conclude with a segment on techniques and approaches for well rehabilitation and reconditioning that are commonly used to help restore and maintain optimal well performance and improve the life expectancy of the well.