

# **Production and Aquifer-Storage-Recovery (ASR) Wells – Design and Maintenance Strategies**

## **NEW COURSE**

**Lunch Included, Sponsored by UHL & Associates**

### **Course Description:**

The focus will be on maintaining and rehabilitating Municipal Water Utility Production Wells and ASR Wells completed in the Coastal Plain Aquifer systems of central and southern New Jersey. Well diagnostic processes will be presented along with practical well rehabilitation technologies and case studies. This course is relevant for water utilities operators and managers and consulting engineers.

### **Course Agenda:**

- 8:00-8:30**      **Welcome and Sign-in**
- 8:30-9:15**      **Hydrogeology of New Jersey Coastal Plain Aquifers**
- 9:15-9:30**      **Production Wells – An Overview of Basic Terminology.**
- 9:30-10:00**      **Repair or Replace**  
Case studies on production well repairs.
- 10:00-10:15**      **Coffee Break**
- 10:15-10:45**      **Production Well Diagnostic Programs**  
Downhole Camera Inspection  
Well Efficiency Testing (Specific Capacity)  
Focused water quality testing (pH; Iron; Manganese; Hardness; Biofouling Potential)
- 10:45-11:15**      **Well Rehabilitation Methods**  
Types of methods and specific applications.  
Quantifying well re-development progress in real time.
- 11:15-11:45**      **Aquifer Storage Recovery (ASR) Wells**  
Design; Operation; and Maintenance  
Application of glass beads
- 11:45-12:00**      **Q&A**

### **Date and Location:**

**August 1, 2025 - Brick MUA, 1551 Highway 88 West, Brick (Ocean County)**

### **Instructors:**

**Vincent W. Uhl**, PH, PG. UHL & Associates, Inc. B.S. Mechanical Engineering, Univ. of Notre Dame; M.S. Agricultural Engineering, Oklahoma State Univ.; M.S. Hydrogeology, Univ. of Arizona

**Ashish Daw**, PG. UHL & Associates, Inc. B.Sc. Geology, Pune University, India; M.Sc. Applied Geology, Anna University, India.

**Gary Gin**, RG. LRE Water, ASR Team Leader. B.S. Geology, Sonoma State University, M.S. Geology University of Nevada-Las Vegas.

### **Accreditation:**

3.0 TCH for NJ-Licensed Water Operators. TCH Course Number 04-062502-10

3.0 Hours, CPWM, Technical. DLGS-NJWA-289

**Please plan to arrive at 8:00 a.m.**

**Pre-Registration is required, and is available at [www.njwater.org](http://www.njwater.org)**

**The New Jersey Water Association**