

## Division of Water Resource Management (DWRM)

### Potable Water System (PWS)

**Overview:** An Oracle forms and ASP reports based application custom written by contractors for the Florida Department of Environmental Protection (DEP). This application is used to track the drinking water system inventory (Systems, plants, wells and surface intakes) for all regulated potable water systems registered in Florida. Each component (system, plant, well, etc) includes numerous attributes which identify the owners, contacts, operators, well construction, volume and customer base.

This system tracks, on a daily basis, the number and type of samples received for each system so reminders of out-standing samples to meet reporting requirements in order to avoid a violation can be provided. Sample Maximum Contaminant Limits (MCLs) are also tracked to ensure each water system abides by the state and federal standards for safe drinking water.

The application also tracks the date & outcome of inspections performed by agency staff for each system.

Violations and enforcement actions are also tracked in this system.

**Description of Services:** The specific assignments for the Systems Analyst are related but not limited to: attend team meetings and provide technical input to information technology solutions. Works closely with customers, business analysts, and team members to understand business requirements that drive the analysis and design of quality technical solutions (aligned with business and IT strategies and with DEP architectural standards). Involved in the full systems life cycle, he is responsible for designing, coding, testing, implementing, and supporting applications software that is delivered on time and within budget. Provides database development and maintenance for the drinking water program. Assignments can include: building application (forms and reports) using Oracle forms, reports, Java, J2EE technologies, Crystal Reports, XML, SQL scripts to move data and create database objects; create/update ERD and SMD diagrams; modify database objects (tables, views, indexes, constraints, triggers, sequences, etc.) to implement required business rules, create and assist in the creation of scripts for migration package to move the Oracle application from ORADEV, to ORABETA, and ORAPROD.

#### Technology/Environment:

- Oracle Forms
- Oracle 10g Database
- XML
- ASP.NET
- PL/SQL

#### Company Services Provided:

- Systems Analyst