



OREGON'S APPROACH: INTEGRATING DRINKING WATER INTO CWA IMPLEMENTATION

JENNIFER WIGAL

WATER QUALITY PROGRAM MANAGER

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

OREGON'S STRUCTURE OF INTEGRATING DRINKING WATER INTO CWA

- SDWA PRIMACY AGENCY: OREGON HEALTH AUTHORITY
 - FUNDS DEQ DRINKING WATER-DEDICATED POSITIONS IN CWA PROGRAM
- INTERAGENCY AGREEMENT
 - SPECIFIES DEQ DW STAFF RESPONSIBILITIES
- DEQ DW STAFF SHARE INFORMATION, DATA, GIS WITH OTHER DEQ PROGRAMS:
 - TREATMENT/ENGINEERING LIMITATIONS
 - INCLUDING “BENCHMARKS FOR ADEQUATE TREATMENT”
 - MUTUAL WATER QUALITY GOALS AND OBJECTIVES

CWA STATUTES AND AUTHORITIES IN OREGON

- DRINKING WATER IS A BENEFICIAL USE FOR 'WATERS OF THE STATE'
- WHEN SOURCE WATERS MEET CWA STANDARDS, THEN "STANDARD TREATMENT TECHNOLOGY" SHOULD BE SUFFICIENT TO PRODUCE SAFE DRINKING WATER (FILTRATION AND CHLORINATION ONLY)
- STATE CWA IMPLEMENTATION STATUTE HAS EXPLICIT REQUIREMENT TO "... PROTECT, MAINTAIN AND IMPROVE THE QUALITY OF THE WATERS OF THE STATE FOR PUBLIC WATER SUPPLIES..."

CWA WASTEWATER: PRACTICAL PARTNERSHIP FOR REDUCING POLLUTANTS IN DRINKING WATER

- GIS MAPPING: 20 WWTP PLANTS DISCHARGE WITHIN 10 MI OF INTAKE
- PERMITS REQUIRE DOWNSTREAM NOTIFICATIONS OF SPILLS/RELEASES
- EMERGING CONTAMINANTS ARE A GOOD PLACE TO START FOR CONTAMINANT REDUCTION COLLABORATION
 - USGS DATA FROM WWTP DISCHARGES
 - FOR ALL INTAKES BELOW WWTPS, STREAM DATA SHOWS TRACES OF STEROIDS, HORMONES, DEET, ATRAZINE, DIURON, IMAZAPYR, PHARMACEUTICALS, PHTHALATES, ETC.
 - CURRENTLY ASSISTING IN IMPLEMENTATION OF PESTICIDE, PHARMACEUTICAL AND HOUSEHOLD HAZARDOUS WASTE COLLECTION EVENTS IN SOURCE AREAS

ASSESSING/COMMUNICATING HUMAN HEALTH IMPACTS FROM CHEMICALS

- DEQ CONSULTS WITH OREGON HEALTH AUTHORITY TOXICOLOGIST
- HUMAN-HEALTH BENCHMARKS FOR 351 CONTAMINANTS
 - 79 U.S. EPA MCLS; 117 USEPA HUMAN HEALTH BENCHMARKS FOR PESTICIDES
 - ***NEW***155 HEALTH-BASED SCREENING LEVELS -USGS
 - NON-ENFORCEABLE WATER-QUALITY BENCHMARKS --DEVELOPED BY USGS NAWQA FOR CONTAMINANTS WITHOUT USEPA MCLS OR HHBPS

The background is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The word "QUESTIONS?" is centered in the middle of the page in a large, bold, black font.

QUESTIONS?

JENNIFER WIGAL
WATER QUALITY PROGRAM MANAGER
PH. (503) 229-5323
OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY