Reducing Effluent SNC
Workforce Development Project

Hello
my name is

Denny Dart
Chief, Water Compliance Section
USEPA Region 1
Question 1: What sector has the most effluent SNC violations?

Region 1: half of effluent SNC due to POTWs

Nationally, 41% of effluent SNC is due to POTWs
Question 2: What Pollutants Drive POTW Effluent SNC?
This varies by region.
And by state (Texas)
Question 3: What can we learn from POTWs that are achieving compliance and very low loadings?
ERG tool plots pollutant loadings
The tool can identify good actors for case studies, and point to mentoring pairs.
Mentoring pairs

4. Select specific points from the scatter plot to filter data in the “Monitoring Period Load Data” table. Users should select points falling along the same vertical axis or in the general vicinity of the SNC point to identify facilities that have similar permit limits or facility size.
QlikSense: Region 1 Monitoring Period
Load Analysis: Nitrogen – Pairing

Example
Question 4: Can POTW mentoring programs be effective?
The 'Silver Tide'

Number of Water and Wastewater Treatment Plant Operators: 127,100

Retirements, 2018-2028: -5%

Employment change, 2018-2028: -6,100

-U.S. Bureau of Labor and Statistics
EPA Report (2012):
Design: what worked well?

JETCC Maine: NEIWPCC affl. + State of CT: MOA - "Water and People" course + MassDEP: Established partnerships = Curriculum designed to be shared

Statewide Accessibility + Regional Trainer = Ideal for MA pilot
Vision:

"Water and People"
Article on the New England Operator Exchange Program
Summary

Priority Sector
POTWs

Priority Pollutants
For focusing assistance and training

Identify Best Operators
Using effluent data

Training and Mentoring
Support and build on existing programs
Thank you.

Denny Dart
Chief, Water Compliance Section
USEPA Region 1
Dart.denny@epa.gov
617-918-1850