FY15 Program Planning

Recommendations Under Consideration at Feb TEC Meeting

List of Possible Recommendations

- Biological Subcommittee Recs
  - Implement new probabilistic design in 2015 survey to minimze “clumping”.
  - Target 4 pools for biological surveys.
  - Utilizing new macroinverterate index in 2016 305b assessments.
  - Indicate impairment if either fish or macro indices indicate impairment.
  - Exclude 2015 biological data in 2016 305b assessments due to timing.

- 106 Supplemental Monitoring Program ($65K)
  - Utilize remote sensing data to evaluate river-wide temperature conditions and inputs, and algae/chlorophyll-a if funding allows.
- Spills/Emergency Response
  - Update spills model.
  - Look at upgrading/expanding ODS to handle additional pollutants; add new stations.
- Mixing Zone Prohibition
  - Unidentified activities to address mixing zone prohibition such as considering appropriateness of the prohibition, mercury criterion, etc…

- Stream Criteria Subcommittee (on nutrients)
  - Conduct more intensive assessments of macroinvertebrate/nutrients data.
  - Work with EPA HQ to assessment data for nutrients criteria development.
  - Participate in Reg 3 Nutrients RTAG.
  - Provide recommendation to TEC in Oct. regarding use of SEP funds for nutrients criteria development.
- NPDES Subcommittee
  - Recommend NPDES work with Standards Committee on streamlined mercury variance procedure.

- 305b
  - Hold workgroup meeting ($1,200).
  - Continue collection of methylmercury in fish tissue (2 samples for TL3 and TL4 in each of 4 biological pools annually).
  - Consider new monitoring for PCBs & dioxin to update 305b assessments.

Source Water Protection and Emergency Response Programs

Program Components

QA/QC - **No programmatic or funding changes**

Source Water Protection " "

Emergency Response Prep. " "

Organics Detection System " "

Spill Notification and Tracking – Spill model update

Organics Detection System Renovation - extension

FY15 Program Planning

- Recommendations Under Consideration at Feb TEC Meeting
  - Spills/Emergency Response
    - Update spills model
    - Upgrade/expand ODS to handle additional pollutants
    - Add new ODS stations

Update Spill Model

- Sam Dinkins – model update

Update Spill Model

- Integrate updated spill model in GIS platform
  - Spill model linked to HEC-RAS data source
  - Auto input velocities
- Add data layers for all contaminant sources
  - Start w/Zone of Critical Concern, grow out from there
- Add links to MSDS sources
- Add links to health effects sources, i.e., Toxnet
- Add links to treatment sources
  - Similar to Emergency Procedures Guide

Update Spill Model

- Add links to analytical information
  - Regional laboratories, etc.
- Make it secure-web available

- Ohio River Basin Emergency Management Tool for Drinking Water Utilities

Update Spill Model

- Collaborate w/USEPA Breidenbach on tool development
  - identify a timeline for the project (2-3 years?)
  - level of funding
  - Collaborators
- Water Users motion for Commission to support development of project proposal to USEPA

Source Water Protection

No programmatic or funding changes

Elk River Spill has heightened awareness and need for conveying to the public the importance of ORSANCO's Source Water protective endeavors

Presentations to numerous groups regarding Commission's role in spill response: R-5 SWP/RRT; R-3 SWP

Numerous requests to participate in early warning detection program development: consultants, EPA and WV American Water

Staying abreast of legislative activities stemming from event;

Senate Bill 363 (WV), Manchin and Capito bills, President's Executive Order 13650

ODS & ODS Renovation

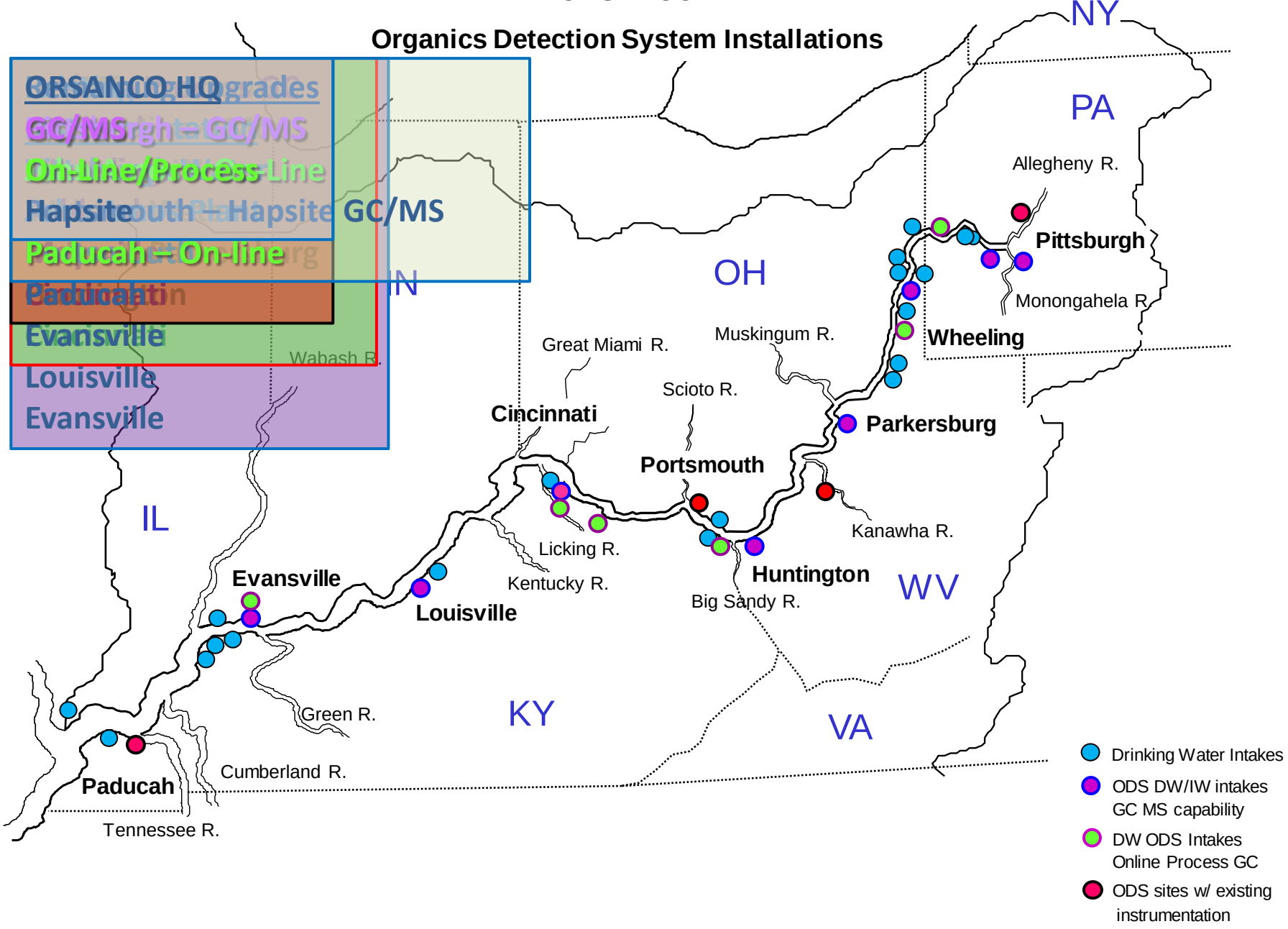
Two separate programs:

- **ODS Program 125**– Operation and maintenance of all ODS sites

- **ODS Renovation Project 345 (ODS-R)** – Upgrades to existing system instrumentation, consider add'l sites/ instrumentation that would increase protective efforts
- Virtually seamless programmatically to date
- 9 sites completely upgraded; 1 new site added,
- 5 to go (including HDQTRS)

ORSANCO

Organics Detection System Installations



Organics Detection System

Funding changes made in FY 15 budget

- additional funds moved from state funded ODS program to congressionally funded ODS Renovation ODS-R program
- Requesting 1 year extension
  - Optimize funding
  - Realign categories
  - Provide relief to Commission budget
- Providing grant extension is approved to Sept, 2016.

ODS System performance/ In Kind Services

- ODS operators and volunteers completed **4,772** volatile organics tests on Ohio River water
- The total ODS operational days for the 01/01/13 to 12/31/13 time period was **87%** (equal to the number of operational for 2012)
- Calibration/quantitation increased from 20 to 30 compounds
- ODS sites equipped with mass spec detectors can qualitatively identify thousands of compounds
- ODS sites with on-line process GC's have ability to monitor river water around the clock