

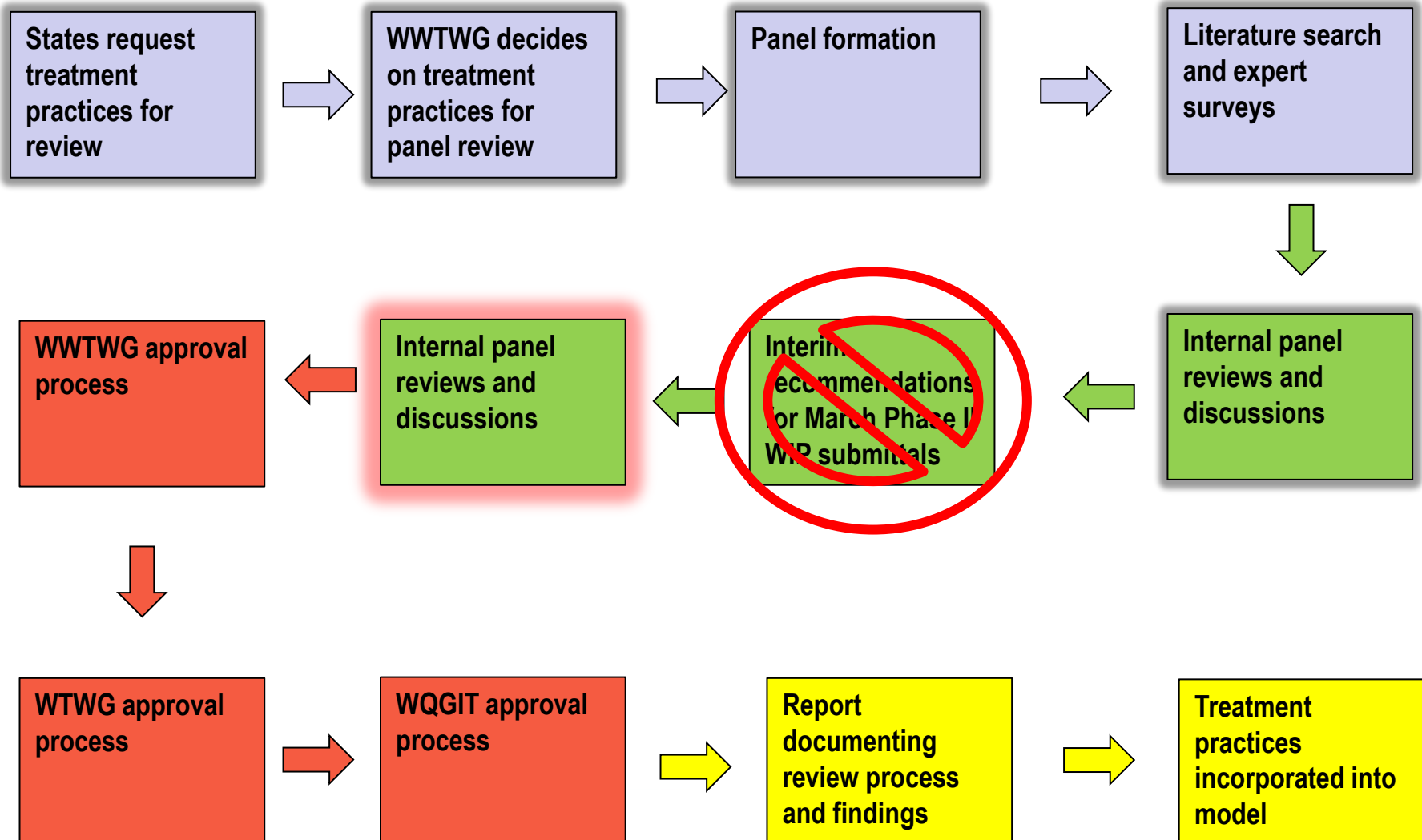
# **Update on Onsite Wastewater Treatment Systems Nitrogen Reduction Technology Expert Review Panel**

WWTWG Call: April 3, 2012

# Panel Update

- Completed
  - Held initial sub-panel calls
  - Assigned review topics to panelists
  - Completed interview process and summarized results
- Ongoing
  - Literature gathering
  - Literature review
  - Panel and Subpanel calls
    - Next calls – April (Dates TBD)
  - Subpanel internal discussions

# Review Process



# Schedule

- **December:** Panel selection.
- **January:** Panel conference call. It starts literature search.
- **Early February:**
  - Interviews and collection of program info.
  - Summary of interviews.
  - Citations/abstracts for retrieved literature-first draft.
  - WWTWG call update
- **Mid February:** Summary of information.
- ~~**Late February:** Panel delivers initial findings to WWTWG.~~
- ~~**Early March:** Preliminary information for use in Phase 2 WIPs.~~
- **March–June:** Panel continues research on practices. Prepares for reviews and approvals.
- **June:** Final recommendations from Panel.
- **June/July:** WWTWG Review.
- **July:** WWTWG Review.
- **July/August:** Approval meeting for WQGIT.
- **August/September:** Final report

# Exsitu Subpanel

- **Attached Growth Systems**
  - Includes looking at filter systems and peat systems.
- **Suspended Growth and Combined Suspended/Attached Growth Systems**
  - Includes looking at activated sludge type systems and combination of attached/suspended systems.
- **“Catch All”**
  - Includes looking at other technologies, such as constructed wetlands, membranes, etc.

# Soils Subpanel

- **Soil type/series**
  - Includes looking at different soil types, series, and mapping units.
- **Dispersal configuration**
  - Includes looking at system placement, configuration, type, and method.
- **Groundwater layer**
  - Includes working with Siting subpanel to look at the depth to groundwater, soil content, and perched groundwater areas.

# Siting Subpanel

- There was much discussion on the purpose of this panel. The general consensus was that this panel would review things that did not fit exsitu and soils subpanels and that fall through the cracks. Looking to change the name of subpanel.
- **Lot size/density**
- **Vegetation/ET**
- **PRB Tech**

# Siting Subpanel

- Items like spray irrigation, PRBs, and the distance and materials through which the groundwater flows (included perched groundwater tables) would be looked at in conjunction with the Soils subpanel.
- Karst topography, discharge plumes, and distance to surface water were brought up, but decisions would be tabled until attenuation panel in the fall.