

# Selenium Fish Tissue Plans & BAS Report Submittals

# BAS Annual Monitoring Submittals

- Submit via ESS
- Do not need to e-mail or submit hard copy
- Submittal date logged
- Report tracked
- Copies sent to all required WVDEP personnel

# Selenium Chronic Aquatic Life Implementation Guidance Document

- Selenium water quality samples at study site
  - 6 months bimonthly at new sites (minimum)
  - 12 months bimonthly at established instream stations (minimum)\
  - 24 months maximum from fish tissue collection date
- Mature fish present
  - 3-5 individuals per species
  - 2 most abundant minnow species (blacknose dace, creek chub, stoneroller)
  - Sunfish species if present
  - If only one species, 2 composites of 3-5 individuals each
- As close as practicable to outlets being studied

# Selenium Fish Tissue Study Plan

- Submit to Kevin Seagle
- Review, Comment, Approve
  - Appropriate station location and instream selenium exposure
  - Approved lab (REIC or Pace currently)
  - Water quality sites identified and appropriate
  - Map (fish, water, outlet) and pictures (proposed fish site)
- Conduct Study
  - Adhere to stated timeframe, be aware of flow changes
- Review Results
- Submit required data (guidance), approved study plan, and water column calculations

# Potential Pitfalls

- Low instream selenium concentrations
- Combining drainages
- Lack of assessable fish prior to large stream/river
- High selenium in individual fish
- Existing treatment structures