

## PANEL: Young Professionals and the Role of Mentorship and Knowledge Transfer



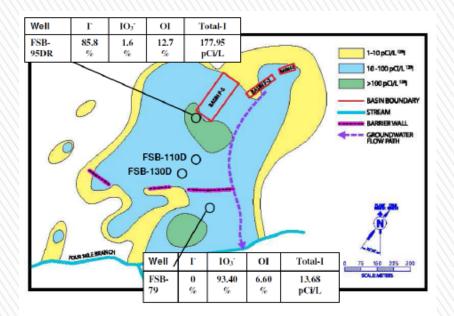
- » UCF, BS Environmental Engineering, Dec. 2009
- » Intern @ FL DEP in wastewater

- IS THERE A TRADITIONAL ROUTE TO NUCLEAR?
- » Research in drinking water quality



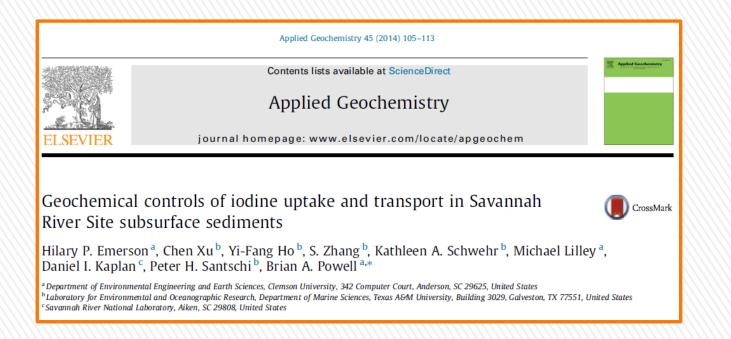
- » NRC Fellowship funded PhD in EE&ES
- » Great mentorship in radiochemistry (Brian A. Powell)
- » Interactive courses with visits to ORNL, SRS, and local power plants
- » Conference attendance (2-3 per year)
- » Outstanding awards programs for students
  - > Local Health Physics Society
  - > Innovations in Fuel Cycle Research Program
  - > International conference opportunities (i.e. Roy G. Post Award)
- » Opportunity to teach others
  - > K-12 Teacher workshop
  - > Alpha Spectroscopy for DOE Research Scientists
  - > Mentorship of undergraduate students and graduate students





## IODINE CLEANUP AT SRS DOE F-AREA SEEPAGE BASINS

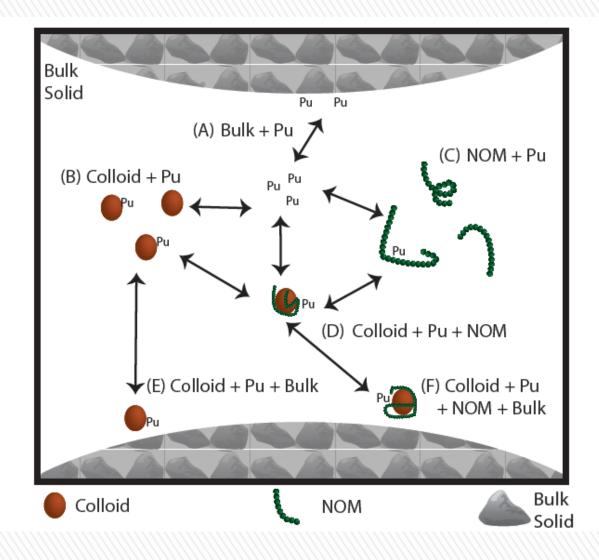
Figure 1: SRS map indicating basin, well locations, and iodine speciation in groundwater (Kaplan *et al.*, 2001)





## RADFLEX Lysimeter Project @ SRS





PhD: Dec. 2014 "EXPERIMENTAL EVIDENCE FOR COLLOID FACILITATED TRANSPORT OF PLUTONIUM"

OPPORTUNITY TO TRAIN OTHERS IN NUCLEAR

BIELO

- » Mentorship was a deciding factor in the field
- » Although the field is aging, there is a great desire to train young people
- » Transparency seems to be greatly increasing in industry
- » I look forward to taking advantage of these opportunities in mentoring new students in the field!

## THANK YOU FOR YOUR ATTENTION! QUESTIONS AND DISCUSSION ARE WELCOME