**From:** cgobler@notes.cc.sunysb.edu
**Sent:** Thursday, July 10, 2008 2:52 PM
**To:** Phillip Musegaas
**Cc:** jlipscomb@riverkeeper.org; 'Lisa Rainwater'; scullen@gracelinks.org
**Subject:** RE: IP Sampling

**Categories:** Follow up Correspondence req'd

All,

During the past academic year, I've made good progress on the analysis of radionuclides in sediment and shellfish from the Hudson River at locations near and far from the Indian Point facility. Thus far, I can summarize the results as follows:
1. Regarding the shellfish, levels of Cs-137, Sr-90, Cs-134, Co-60, or Sr-89 clam shells and meats were all below the methodological limit of detection.
2. Regarding sediment, there we quantified Cs-137, K-40, Ra-226, and Th-232 in the sediments collected in close vicinity to Indian Point. However, those levels were not elevated relative to sediment samples north or south of the IP facility.

This is not what I was expecting, but the data is solid. One thought I had was with regard to the clams. They were smaller than I had anticipated and therefore have accumulated less total mass and mass of radionuclides than older individuals would have. Therefore, perhaps this year, larger clams could be collected?

I'd also be open to other suggestions, thoughts, or questions.

Sincerely,
Chris

Christopher J. Gobler, PhD
Associate Professor
School of Marine and Atmospheric Sciences
Stony Brook University