

Radioisotope Awareness

<http://www.unols.org/info/RadAwareness.html>

- Great tools to educate shipboard radioisotope users as well as the ship's crew:
 - UNOLS Radioisotope Contamination Awareness Presentation – Science
 - UNOLS Radioisotope Contamination Awareness Presentations – Crew
 - UNOLS Radioisotope Use Log
 - RadAwareness Poster
 - Cruise Planning Radioisotope Checklist
 - Pre-Cruise Shipboard Briefing Checklist



Cruise Personnel Manifest

- V2 came out and was distributed.
- We are getting a great return rate but it is not 100%.
 - **THANK YOU** to all of the participating institutions – both R2R and the UNOLS office greatly appreciate it and **KEEP UP THE GOOD WORK!**
- If you do not already send the form – don't mull over the fact you have not been doing it, just **START TODAY!**
- If you have any feedback – send it to alice@unols.org



Scientific waste streams

- Historically the nutrient analysis and dissolved oxygen (DO) analysis waste streams have been dumped over the side of UNOLS vessels
- Recently the CLIVARS group had a cruise off of the RVIB Nathaniel Palmer whose policy is to collect **all** scientific waste streams.
- NSF PLR wanted some sort of proof that the waste streams were OK to be dumped.
- After testing, all but one (1) of the streams falls below CA EPA wastewater dumping regulations.



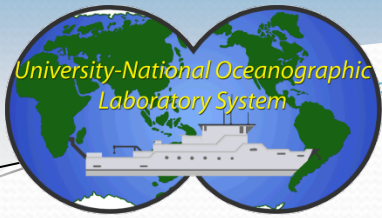
Scientific waste streams (cont)

- The CLIVARS group is collecting this one waste stream (Nitrate/NO₃ analysis) for proper disposal and dumping the rest.
- What does this mean for UNOLS vessels?
 - Nutrients and dissolved O₂ are common measurements taken on the UNOLS vessels
 - It is OK to dump all of the waste streams *except* the waste coming from the Nitrate analysis which should be collected separately for disposal probably in the US



Ship/Shore Comms Subcommittee

- Subcommittee put together to review current ship/shore communications, requirements for the next few years and possible new technology
- Recommendations
 - Keep HSN as primary and FBB as back-up
 - Purchase new, more efficient modems for HSN
 - Increase HSN bandwidth by 4x
 - Test INMARSAT Ka-band technology as it comes online
 - Create a Bandwidth Management Plan
 - Revisit the above annually



Any questions?

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