



R/V SIKULIAQ

UNOLS Greening the Research Fleet Workshop - January 2012
Matt Hawkins, NSF

- Hull fabrication and equipment FAT's well underway.
 - Launch - **October 2012**
 - Delivery to UAF - **July 2103**
 - Begin Science Ops - **Early 2014**





R/V SIKULIAQ

UNOLS Greening the Fleet Workshop

- Low Underwater Radiated Noise Signature
- Diesel-electric propulsion
- Waste heat recovery system for heating
- Tier II engines/MAROL Annex VI
- Intershield Inerta 160[®] ice resistant, non-ablative bottom coating
- Ultra-sonic antifouling system for sea chests



R/V SIKULIAQ

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- Hyde Guardian[®] ballast water treatment system (no chemicals)
- “Zero Discharge” Act2 Piranha[®] MSD (no chemicals)
- Trash compactor plus incinerator (fired on oily waste)
- Double bottom
- Biodegradable hydraulic oil



Regional Class Research Vessel (RCRV)

UNOLS Greening the Research Fleet Workshop

“Incorporate commercially-available “Green Ship” technologies to the maximum extent practicable without significantly impacting the cost of construction or the vessel’s daily rate. Particular attention should be placed on alternate fuels and propulsion.”



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“NSF has undertaken a review of the internal MREFC process, which is used to approve major facilities such as the RCRV. OCE will provide more information to the community on the RCRV project as soon as it becomes available.”