

FIC Meeting

January 2003

RVCH Replacement Vessel Status

- Target date for completion of bid package: March 31, 2003.
- “Final” design phase with science review to follow yard selection – late 2003.
- Begin cutting steel in mid- 2004 (Perhaps early 2004).
- Delivery/Sea Trials in 2005.

Currently Underway

RVCH Replacement Vessel

- Design details, structure, and systems being completed.
- Motion compensated CTD handling crane and traction winch proposed (Dynacon design).
- NCE: Underwater noise prediction model nearly complete (based on arrangement and machinery lists). FEA of engine room deck in progress.
- Shipyard “Pre-qualification” process started.
- Basic model testing program complete.

Model Testing Program

RVCH Replacement Vessel

- Tank Tests completed in early November at Vienna Model Basin (SVA)
- Improvements made:
 - Bulbous bow: From “propane tank” to “fancy”
 - Stern extension: Improved flow from Z-drives.
- Propeller cavitation tests with SVA and Schottel scheduled for late February.
- Dynamic Ship’s Motion analysis – OCEANIC Consulting
 - Keel up vs. Keel Down, Bilge Keels vs. NO Bilge Keels, etc.

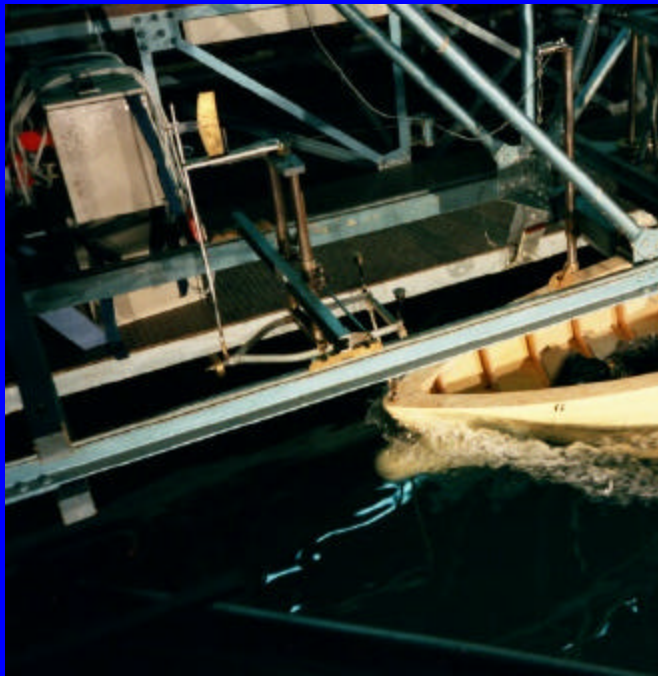
Model Testing Program



Model Testing Program



Tank Test Findings



Science Review

RVCH Replacement Vessel

- FIC review in progress – comments needed before bid package goes out.
- “Final” Science review after yard selection and before construction.