

**R**eplacement

**H**uman-Occupied Vehicle

**O**versight

**C**ommittee

*DESSC Meeting - June 13, 2005  
Wood Hole, MA*

# Replacement HOV Oversight Committee (RHOC)

<u>Chair</u>	<u>Name</u>	<u>Phone</u>	<u>Email</u>
	Karen Von Damm	(603) 862-0142	kvd@eos.sr.unh.edu
<u>Members</u>	Keir Becker	(305) 361-4661	kbecker@rsmas.miami.edu
	Terry Kerby	(808) 259-9991	tkerby@hawaii.edu
	William Kohnen	(909) 626-6262	will.kohnen@seamagine.com
	John Leadmon	(202) 781-3413	leadmonjt@navsea.navy.mil
	Matt McBride	(202) 781-3412	mcbridems@navsea.navy.mil
	Ed Mellinger	(831) 775-1730	meed@mbari.org
	Rick Thiel	(202) 781-2155	thielra@navsea.navy.mil
	Cindy Van Dover	(757) 221-2229	clvand@facstaff.wm.edu
<u>Ex-Officio Members</u>	Dolly Dieter (NSF)	(703) 292-8583	edieter@nsf.gov
	Holly Smith (NSF)	(703) 292-8583	hesmith@nsf.gov
	John Freitag	(703) 696-4530	john_freitag@onr.navy.mil
	Barbara Moore	(301) 713-2427	barbara.moore@noaa.gov
	Annette DeSilva (UNOLS)	(401) 874-6827	desilva@gso.uri.edu
<u>WHOI Points of Contact</u>	Robert Detrick	(508) 289-3335	rdetrick@whoi.edu
	Barrie Walden	(508) 289-2407	bwalden@whoi.edu
	Bob Brown	(508) 289-2786	rbrown@whoi.edu
	Maurice Tivey	(508) 289-2265	mtivey@whoi.edu

## Charge to HOV Replacement Oversight Committee

The HOV Replacement Oversight Committee is established to obtain community input and advice on all aspects of the design and construction of a Human Occupied Vehicle (HOV) replacement for the Deep Submersible Vehicle (DSV) *Alvin*. This includes hull construction, testing and certification; the design, construction and testing of major vehicle sub-systems; and the selection and placement of scientific sensors. The Committee will also provide advice on the establishment of design and budget priorities to ensure the project remains within the agreed scope and cost. The Committee will respond to specific questions posed by NSF and WHOI management and will provide reports to NSF following each meeting. The Committee will communicate regularly with WHOI management providing advice on all aspects of the design and construction project. WHOI management will ensure that the committee is well informed in a timely way of all construction-related issues and decisions, or any significant changes in design plans. A dedicated web page will be established by WHOI to facilitate this communication.

The Committee will consist of 7-10 members, including a Chair. Employees of WHOI, or subcontractors involved in this project, may not be members of this Committee but may participate in an ex-officio capacity. The Committee is established and supported by WHOI, and its membership and scope of activities are approved by NSF.

It is anticipated that the HOV Replacement Oversight Committee will have carried out their charge with the completion of science sea trials. Thus, shortly thereafter the Committee will be dissolved.

## **RHOC Meetings**

July 26-27, 2004 Arlington, VA (NSF)

### ***Main Objective:***

- RHOC meets with everyone
- go over proposal
- go over reviews
- go over panel summary
- brought “up to speed” on the project

***Result:*** RHOC makes a series of recommendations

Nov 3, 2004 Web Conference

### ***Main Objective:***

- WHOI proposed change to “sole source” for hull RFP

***Result:*** RHOC approves proposed change

Feb 15, 2005 Telephone Conference

### ***Main Objective:***

- Sphere contract/RFP

***Result:*** RHOC makes a series of recommendations

May 4, 2005 Telephone Conference

### ***Main Objective:***

- Discuss Exit Criteria Strategy for Phase 1

***Results:*** RHOC makes a series of recommendations

# RHOC Continuing Concerns

1. Hull
2. Syntactic Buoyancy Foam
  - will 30 lb/cu. ft. be available
  - if not, trade-offs
    - depth
    - payload
    - other design impacts
3. Batteries
  - Li available in time?
  - if not compromises as to dive duration/depth
  - available later?
4. Variable ballast
5. Risk assessment and management
6. What will be the required trade-offs?

## RHOC - Other Items

1. RHOC recommendations are entered into WHOI monthly report spreadsheets and their status addressed.
2. Website maintained on UNOLS page  
[www.unols.org/committees/dessc/replacement\\_HOV/replacement\\_hov.html](http://www.unols.org/committees/dessc/replacement_HOV/replacement_hov.html)
3. Place for community input on site.
4. Need to work with DESSC and UNOLS as community input is needed.
  - probably need to do this soon wrt syntactic foam.
5. NAVSEA input has been critical.
6. Time line now has replacement sub available for science in 2009.