

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
Prepared by: Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	Date: May 9, 2014	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.056

1. Meetings:

- i. Participated in weekly conference calls.
- ii. Participated in weekly yard meeting with yard and GPA
- iii. Travel to Alpharetta, GA for MCS FAT at Siemens

2. The following Shipyard Question Submittals were reviewed and commented on:
Q94- Washer Dryer Specification Waiver

DCI is requesting comment on the washer and dryer ordered for the AGOR 27 vessel. Is the set in question acceptable, as they are rated non-commercial?

Government is insisting on commercial grade washers and dryers.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.

4. Other Work Items:

- Sally Ride Progress - There continues to be no notable progress in the pipe, hvac or electrical work on Ride.
- Port Propulsion Motor is on its foundation but not on its mounts.



Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 09 MAY 2014		2. REPORT TYPE		3. DATES COVERED 00-00-2014 to 00-00-2014	
4. TITLE AND SUBTITLE AGOR 28				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 8	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

- Starboard Propulsion Motor Foundation has been welded to tank top.
- Port and Starboard bilge keels are being skinned.



- Skeg and Rudder fairings completed with internals float-coated with anti-corrosive.
- Embarkation ladder and davit fit up nearing completion. Once completed the ladder will be removed for safe keeping.
- The port strut and stern tube have been fitted with Thordon bearings. The strut and the aft stern tube bearing have been fitted on the starboard side. Boring of the forward stern tube bearing race continues (the hpu for the boring machine broke so there was a delay waiting for a new one)



- Scientific Refrigeration Boxes – A PO has been released for new compressors and controls. No details have been delivered on the configuration and makeup of the new system.

- The Pitch Control Units are on board but not on their foundations.
- Stern Tube SW lubrication and cooling pumps are in place



- Ship's Stores Refrigeration – Gary and I met with the Vendor on board Armstrong. Vendor understands the issues and has propose the following changes to help prevent oil migration: One of the two receivers will be removed, an oil trap will be installed and additional stop and check valves will be added to the piping. The changes make sense and should help to reduce or prevent oil migration.
- Pilot House Void SOLAS Fire Integrity – Government is working on HMR. DCI has been directed to develop a plan to meet USCG/ABS requirements without resorting to gratings.
- Sally Ride MCS FAT - Traveled to Alpharetta, GA for the MCS FAT. All but two minor open items were cleared.
- Engine Pre-lube System - DCI has ordered 8-each 8D deep cycle batteries and battery boxes for this system. It is unclear where these batteries are going to be located and how they will be vented. These are large lead acid batteries which will require weekly maintenance and testing. If the 480-volt option is out, then I would prefer to have none, than have 8-additional batteries to maintain. The hand pump makes more sense than the batteries.
- Sally Rid Stern Frame – Both bases have some deformation. Measurements taken and recorded. Will continue to monitor the situation.

- Sally Ride Mast Painting –



- Sally Ride Stack – Internals painted. The stack will be move to the tent once the painting of the mast is completed.
- Sally Ride Draft Marks – Sighted in draft marks



ABS/USCG Call-Outs - Sally Ride

Tank Testing:

- FO Double Bottom 1S – Terminated testing when 4 leaks were found on manhole located in the Transducer Space. USCG in attendance. Retesting scheduled for next week.



Structural Inspections:

- Port & Starboard Bilge Keel Internals – Three minor defects noted for repair; two incomplete wraps and one grinding gouge.



Armstrong Inspections:

- Neil Armstrong Resistance Readings – Witnessed resistance reading on 42 circuits throughout Armstrong. All circuits tested good phase to phase and phase to ground.

5. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720378 SEA SAFETY)(R/ASR)	1256/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72001-13 NR Siemens Emergency SWBD)(DARC REV)	983/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (DI-051 (VRS) for PL 72001-12 Siemens IAS400 Integrated Automation System)(R/ASR)	1078/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (KONGSBERG INSTRUCTOR GUIDES)(DARC REV)	7/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (DI-058 Markey Machinery Instructor Guides (1 Letter and 3 Instructor Guides))(DARC REV)	9/0
AGOR27	A059	STD Report - STUDENT GUIDES (WILHELMSEN STUDENT GUIDE)(DARC REV)	8/0
AGOR27	A059	STD Report - STUDENT GUIDES (DI-059 (Student Guides) for Markey Machinery (1 Letter and 3 Student Guides))(DARC REV)	12/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720376 COMMERCIAL FIRE)(R/ASR)	1254/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720379 ZSI)(R/ASR)	1257/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720393 DYNO)(R/ASR)	1269/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720403 HARDWARE)(R/ASR)	1278/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720419 MACKAY)(R/ASR)	1292/0
AGOR27	A035-05	STD Report - POWER MANAGEMENT SYSTEM DESCRIPTION OF OPERATIONS (Power Management Description of Operations rev A)	1/3
AGOR28	A007	STD Report - PURCHASE ORDERS (PO) (730132 MACKAY)(R/ASR)	1054/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (720350 BENDER)(R/ASR)	1235/0
AGOR27	A027-08	DWG Report - HVAC DIAGRAMS (HVAC Diagrams & Calculations Rev D)(DARC REV)	11/0
AGOR27	A027-38	DWG Report - FLUID SYSTEM CLEANING, FLUSHING, AND MAINTENANCE PROCEDURES (533-005-2 FLUSHING PROCEDURE FOR CENTRAL FRESHWATER COOLING SYSTEMS REV-)(R/ASR)	12/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (541-001-2 HYDROSTATIC AND FLUSH OF THE FUEL OIL SERVICE SYSTEM REV-)(R/ASR)	101/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (264-001-2 HYDROSTATIC FOR THE LUBE OIL TRANSFER SYSTEM)(R/ASR)	103/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (551-001-2 PRESSURE TEST OF THE SHIPS SERVICE AIR SYSTEM REV-)(R/ASR)	105/0

AGOR27	A031-03	STD Report - TEST PROCEDURES (551-002-2 PRESSURE TEST OF THE START AIR SYSTEM REV-) (R/ASR)	107/0
--------	---------	---	-------