

SIO Shipyard Representative Bi-Weekly Progress Report

Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
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Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.079

1. Meetings:

- i. Attended weekly conference call

2. The following Shipyard Question Submittals were reviewed and commented on:

No questions this reporting period.

3. Logistics:

- i. Continuing to work on initial outfitting lists for Sally Ride.
- ii. Working on NS5 Hierarchy

4. Operator Concerns:

- **Tuff-Mass MLV and Acoustic Tiles** – The application of Delta-db in the BT room is complete and the treated surfaces are being painted. Tiles have been removed from the Tunnel Thruster space. To date, these and the area below the anti-roll tank are the only locations where the yard has removed tile.

Bow Thruster Room – Port and Starboard



Report Documentation Page

Form Approved
OMB No. 0704-0188

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1. REPORT DATE MAY 2015		2. REPORT TYPE		3. DATES COVERED 00-00-2015 to 00-00-2015	
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	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

- **Sally Ride Quad-Zero MLV** – The yard continues to install the Quad-Zero in location with no sound dampening tiles. This includes the Main Engine Space overhead and aft bulkhead. The insulators switched to a 4-inch wide foil tape vice the 2-inch tape used previously, as they were having trouble getting the narrower tape to adhere to the insulation panels that are sheathed in Mylar.

Upper Machinery Space, Aft Starboard Bulkhead with Quad-Zero



Engine Room Overhead Aft – Quad-Zero and Mylar Sheathing



- **Ship Service Diesel Generator Emergency Shutdowns** – For Ride, prior to load banking, the local emergency stops on each engine were tested. The individual breakers opened immediately upon activation. More testing will be required to ensure the Pilot House shutdowns also work as well. This issue has also been corrected on Armstrong.
- **Main Deck Noise Levels, Sally Ride** – During load bank testing of the Generator Sets, the noise profile on Ride's back deck was very similar to that found on Armstrong.
- **Side & CTD Handling Systems** – Dockside testing of Armstrong's CAST6 winches and their associated handling devices revealed that when either Handling Device is deployed, the cable goes hard up against the retaining pin at the top of the outboard turning block. *Issue is still open.*
- **Main Deck Vent Closures** – DCI has installed a traction winch exhaust ventilation gooseneck on the main deck of Armstrong. The vent is fitted with a hinged closure and will meet reg body requirements. Functional but not pleasing to look at.

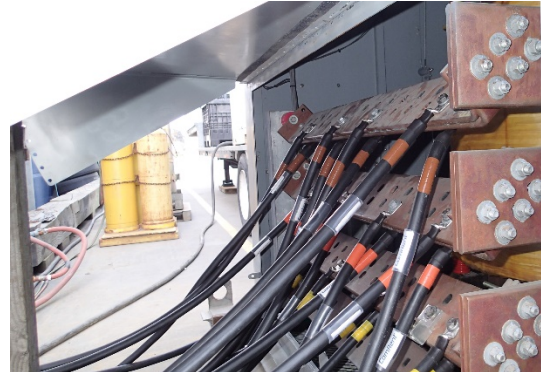


- **Load Shedding** – Awaiting verification that the necessary cables and shut trips have been installed.

- SSHD Controls –Testing on Armstrong indicates that either Handling Device can be operated from the aft control station.
- Main Crane Towing & Coring Crutch – The crutch assembly being provided by Allied Systems needs to be demonstrated to prove that it can be used in a safe and practical way.
- Reach Rods – DCI has agreed to install reach rods to the two 10-inch sea valves at the starboard sea chest. An additional reach rod may be required on the 6-inch deicing line and the emergency fire pump sea chest valves.

5. Sally Ride Progress:

- Load Bank Testing - The Emergency Genset was tested at 100% load for 4-hours. The SSDG's were tested two at a time while in parallel for a total of 4-hours each at 100% load. Prior to load banking all engine alarms and shutdowns were demonstrated and found to be functioning. Siemens is now grooming their systems to the engines. Testing of various AC plant configurations and loads will continue this week.



- Engine Exhaust – Work continues on completing the exhaust system insulation. During load bank testing, each exhaust joint was inspected for leaks while the engine was at 100% load.
- Central Fresh Water Cooling – Heat runs were performed on both pump sets, with cold and hot resistance readings. Current, voltage, flow and pressure readings were taken at 15-minute intervals for one hour.
- Sea Water Cooling – Heat runs were performed as described above.
- Deck Machinery Hydraulic Piping – Hard pipe is installed and leak testing has been started.
- Accommodations – Ceiling panels are up in several Foc'sle deck staterooms. Furniture and fixtures are being installed.



6. Call-outs:

Sally Ride:

Heat Run for FW Cooling Pumps 1 & 2
Heat Run for SW Cooling Pumps 1 & 2
Load Bank EDG
Load Bank No1, 2,3 & 4 SSDG sets

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

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A031-04	STD Report - TEST REPORT (434-001-3 Entertainment System)(R/ASR)	166/0
AGOR27	A053	STD Report - OUTFITTING PLAN (05/07/2015 Outfitting Plan Part II)(R/ASR)	4/0
AGOR27	A059	STD Report - STUDENT GUIDES (#15 DI-059 (Student Guides) for Allied Systems Main Crane Rev A)(DARC REV)	28/0
AGOR27	A031-04	STD Report - TEST REPORT (331-001-3 Lighting Systems Demo Interior & Labs)(R/ASR)	168/0
AGOR27	A031-04	STD Report - TEST REPORT (331-003-3 Lighting Systems Demo Working & Exterior Decks)(R/ASR)	170/0
AGOR27	A031-04	STD Report - TEST REPORT (573-003-3 Hydrographic Winches/CTD/SSHD In Port Demo)(R/ASR)	172/0
AGOR27	A031-04	STD Report - TEST REPORT (555-006-3 Fixed Fire Extinguishing Galley Hood Demo)(R/ASR)	174/0
AGOR27	A059	STD Report - STUDENT GUIDES (#18 DI-059 (Student Guides) for DCI / MO Crew Familiarization Overview)(R/ASR)	37/0
AGOR27	A059	STD Report - STUDENT GUIDES (#22 DI-059 (Student Guide) for Vendor Recommended Spares (Day 1))(R/ASR)	39/0