

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: 9 April, 2015	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
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1. Meetings:

- i. Attended weekly conference call
- ii. Attended Phase III 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:

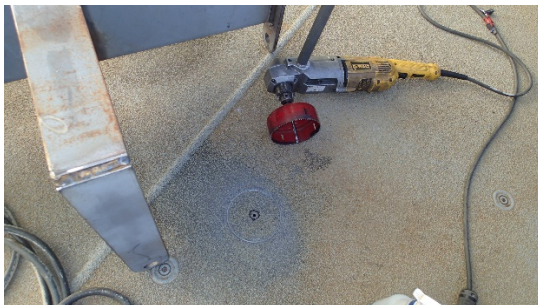
- **Tuff-Mass MLV and Acoustic Tiles** – Draft reports on bulkhead and overhead deck MLV lab tests received. Results were good, although temps at stiffeners exceeded the allowable limit. Awaiting additional lab test results for the MLV and Dampening Tile. The yard is continuing to install the Quad-zero MLV in various locations throughout Sally Ride. DCI is holding off on installing any new insulation in the machinery spaces where dampening tiles are still exposed.
- **Ship Service Diesel Generator Emergency Shutdowns** – Siemens located the correct shutdown signal from Cummins and corrected the issue. I am told that it was tested, however the government will need to witness the testing of each Local and Pilot House e-shutdown for each engine. The Generator Power Adaptation will also need to be retested.
- **Main Deck Noise Levels** – Stack noise on the main deck exceeds the requirements to the extent that exposure without ear protection causes discomfort. NCE has issued the required Airborne Noise Report identifying the areas that exceeded the airborne noise requirements. The report included recommended fixes for the stack noise as well as for other area that failed. Will continue to monitor.
- **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. Markey is working on a fix that may include an additional block above and slightly outboard of the block picture bellow. This would eliminate the pin shown and keep the wire aligned through the entire motion of the handling device. The yard is planning to reeve the cables crisscross between each winch and handling system to demonstrate that all configurations are available for use.

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- Main Deck Vent Closures – Issue remains open. New drawing/proposal from DCI/GPA is forthcoming.
- Emergency Generator Room HiFog- ABS has approved the installation as installed.
- Load Shedding – Awaiting verification that the necessary cables and shut trips have been installed.
- SSHD Controls – Waiting to see how this issue is addressed by Markey/Systems Interface. A CTD LARS/SSHD Handling selector switch has not been installed in the Aft Control Station as yet.
- 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. DCI is installing the starboard side reach rods at this time.

Hole for Reach Rod Actuator at Starboard Working Deck



5. Sally Ride Progress:

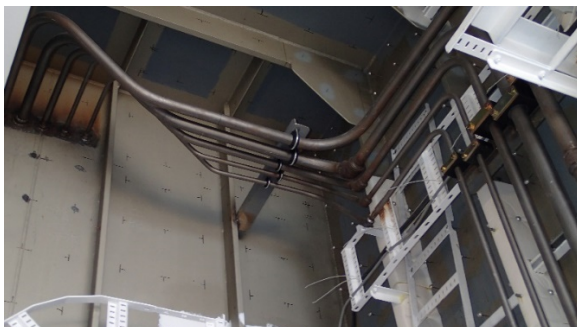
- Load Bank Testing - DCI is working towards the week of May 18 to begin load bank testing of the four SSDG's and the EDG. On Tuesday of this week, a preliminary pressure test to 60-psi of the entire fuel system piping was conducted with ABS in attendance. No leaks or issue were noted. The sea water cooling system was hydro-tested to 60-psi. A full 225-psi test of both plate heat exchangers was performed, with ABS stamping each.



- Sally Ride Electrical – Work continues on making terminations on panels and equipment throughout the vessel. The yard has started making the connections at various Kongsberg steering and DPS control cabinets.
- Foc'sle Deck HVAC Room – Mostly complete, including installation of the Quad-zero MLV.



- Stateroom Outfitting – Furniture is being staged in both the Foc'sle and 01 Deck staterooms. Lighting fixtures, switches and thermostats are being attached to the bulkheads. Electricians are making the necessary terminations. False ceiling supports are going on both accommodation decks.
- Deck Machinery Hydraulic Piping – Hydraulic piping from the HPU's to the Main Crain and Handling Devices has been installed.



Pilot House – Multiple trades are engaged in outfitting the pilot house. Console hook-ups are ongoing and the carpenter is installing furnishings. HVAC is ducting is near complete.



- Uncontaminated & Incubation System - Piping system and pumps are installed in the Bow Thruster room.



6. Call-outs:

Sally Ride:

Potable water fill hydro test.

Fuel oil service pressure test (preliminary to hydro and flush)

Seawater service hydro including heat exchangers.

Armstrong:

Traction Winch Drum Cooling System

Staging Bay Hoist 125% weight test and operational test

Washers and Dryers

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

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A027-33	DWG Report - DECK COVERING SCHEDULE (Deck Covering Schedule Rev 1)(DARC REV)	2/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (324-002-3 Ship's Service Switchboard (480 VAC) Rev-)(R/ASR)	241/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (422-001-3 Navigation, Signal & Search Lights Demonstration Rev-)(R/ASR)	243/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (665-001-3 Staging Bay Overhead Crane & Garage Door Demo Rev-)(R/ASR)	245/0
AGOR27	A052	STD Report - CONFIGURATION DATABASE LISTING (CDBL) (2015 03 09 CDBL #37)(R/ASR)	88/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (Trawl/Tow Traction Winch Demonstration Pier Side Rev-)(R/ASR)	251/0
AGOR27	A032-03	STD Report - SYSTEM ISOLATION AND CLEARANCE SURVEY REPORT (System Isolation & Clearance Survey Report)	1/0
AGOR27	A032-04	STD Report - ACOUSTIC TREATMENT SURVEY REPORT (Acoustic Treatment Survey (Draft))	1/0
AGOR27	A024	STD Report - REGULATORY BODY CORRESPONDENCE (GPA/ABS - Combined Stability Approval & Loading Conditions for Sea Trials)(R/ASR)	159/0
AGOR27	A032-06	STD Report - AIRBORNE NOISE SURVEY REPORT (Airborne Noise Survey Report)	1/0