

SIO Shipyard Representative Bi-Weekly Progress Report

Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
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1. Meetings:

- i. Attended weekly conference call
- ii. Builders Trials on Armstrong

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 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. For this reporting period, DCI has removed 100% of the dampening tiles from the Bow Thruster Room. Exposed areas were sanded to fair in the glue residue and the affected areas were primed. Delta-db is currently being applied.

BT Room sans tile



BT Room with Delta-db



Report Documentation Page

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DCI has started tile removal in the Stern Tunnel Room.

Tunnel Thruster Rm tile removal



Tunnel Thruster Rm Tile



The traction winch room has tiles on both side shells, the forward bulkhead and the overhead opposite the main working deck.

Traction Winch Rm fwd bulkhead tiles



Traction Winch Rm Overhead tiles.



- **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 as well as the MCS. DCI has indicated that they will cover the foil backed Quad-zero MLV in the MCS with sheathing.
- **Ship Service Diesel Generator Emergency Shutdowns** – This issue remains open and must be retested to prove that it works.
- **Main Deck Noise Levels, Armstrong** –The baffles are installed but with little reduction in noise levels as far as I could tell alongside the pier.

- **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. Markey to be on site next week for more tuning.**



- Main Deck Vent Closures – Issue remains open.
- 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.

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. The necessary electrical and piping systems are being prepped towards this end.
- Fuel Service Piping – Flushing has been completed and all piping and hoses have been reconnected.



- Diesel Oil Day Tanks – port and starboard day tanks were cleaned and inspected prior to filling with fuel.
- **Engine Exhaust** – Work continues on completing the exhaust system insulation. DCI may be a bit behind schedule with this work. It needs to be completed prior to any prolonged running of the engines.
- Diesel Engines – Cummins Northwest has been aboard prepping the engines. Yard personnel are cleaning dust and debris from and around the engines.
- Central Fresh Water Piping – Hydro testing was completed and flushing is to commence this evening and through the weekend. Pumps are aligned and wired for service

- Deck Machinery Hydraulic Piping – Last runs are going into the aft bosun locker.
- Pilot House – Fiddle boards are up and being populated with equipment. Hook-up to bridge equipment continues.

Chart Room Fiddle Board



Centerline Fiddle Board



- Outfitting – Bunks and fixtures are being installed in accommodation spaces.



6. Call-outs:

Sally Ride:

- Diesel Oil Day Tanks – final inspection for material condition and cleanliness. Both tanks were clean and read for fuel.
- Fresh Water Cooling Hydro Test – System pressurize with water to 67-psi. Entire system inspected for leaks. No problems to report.
- DO Stripping System – System pressurized with air. No leaks detected.

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

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#551 DI-055 (TM) for 244 Craft Bearing Self-Aligning Split Roller Bearing)(R/ASR)	1097/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (#08 DI-058 Instructor Guide for Bronswerk Marine (2 Drawings / 1 Guide / 1 Letter))(R/ASR)	18/0
AGOR27	A059	STD Report - STUDENT GUIDES (#17 DI-059 Student Guide for Bronswerk Scientific Refrigeration)(R/ASR)	31/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (331-001-3 Lighting Systems Interior & Labs Rev-)(R/ASR)	257/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (555-006-3 Fixed Fire Extinguishing Galley Hood Demo Rev-)(R/ASR)	259/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (516-001-3 Scientific Refrigeration Plants Test Rev-)(R/ASR)	261/0
AGOR27	A031-04	STD Report - TEST REPORT (561-001-4 Steering Gear Controls System Test)(R/ASR)	154/0
AGOR27	A031-04	STD Report - TEST REPORT (593-001-3 MSD System Operational Test)(R/ASR)	156/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (#10 DI-058 Instructor Guide for Siemens IAS)(R/ASR)	20/0
AGOR27	A058	STD Report - INSTRUCTOR GUIDES (#11 DI-058 Instructor Guide for Siemens Integrated Electrical Plant)(R/ASR)	22/0
AGOR27	A059	STD Report - STUDENT GUIDES (#20 DI-059 Siemens Integrated Electrical Plant Student Guide)(R/ASR)	33/0
AGOR27	A059	STD Report - STUDENT GUIDES (#19 Siemens IAS Student Guide)(R/ASR)	35/0

