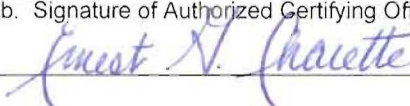


PERFORMANCE PROGRESS REPORT SF-PPR

		Page 1	of 5 Pages
1. Federal Agency and Organization Element to Which Report is Submitted National Institute of Standards and Technology (NIST)		2. Federal Grant or Other Identifying Number Assigned by Federal Agency 60NANB10D031	
		3a. DUNS Number 001766682	
		3b. EIN 04-210580	
4. Recipient Organization (Name and complete address including zip code) Woods Hole Oceanographic Institution 183 Oyster Pond Road Woods Hole, MA 02543		5. Recipient Identifying Number or Account Number 2519883 490031SP	
6. Project/Grant Period Start Date: (Month, Day, Year) End Date: (Month, Day, Year) 02/01/2010 12/31/2012		7. Reporting Period End Date (Month, Day, Year) 12/31/2011	
		8. Final Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		9. Report Frequency <input type="checkbox"/> annual <input type="checkbox"/> semi-annual <input checked="" type="checkbox"/> quarterly <input type="checkbox"/> other (If other, describe: _____)	
10. Performance Narrative <i>(attach performance narrative as instructed by the awarding Federal Agency)</i> (Please see attached documents)			
11. Other Attachments <i>(attach other documents as needed or as instructed by the awarding Federal Agency)</i>			
12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.			
12a. Typed or Printed Name and Title of Authorized Certifying Official Ernest G. Charette Director of Construction Projects		12c. Telephone (area code, number and extension) 1.508.289.2702	
		12d. Email Address echarette@whoi.edu	
12b. Signature of Authorized Certifying Official 		12e. Date Report Submitted (Month, Day, Year) January 5, 2012	
		13. Agency use only	

NIST Grant # 60NANB10D031

WHOI Project Number 49003100

Laboratory of Ocean Sensors and Observing Systems (LOSOS)

Progress Report 8 – 4th Quarter 2011

Date: January 5, 2012.

Overall Project Baseline

The Woods Hole Oceanographic Institution (WHOI) received funding from NIST to construct a Laboratory for Ocean Sensors and Observing Systems (LOSOS). LOSOS will be an interdisciplinary center for scientists and engineers developing the next generation of sensors and supporting technology for ocean observation. It will specifically support the Ocean Observatories Initiative (OOI), the Martha's Vineyard Coastal Observatory (MVCO), the Ocean Bottom Seismometer Instrument Pool (OBSIP) and the Environmental Sample Processor (ESP) lab. The current planning provides for a 26,600 sq. ft. building on the WHOI Quissett Campus which will incorporate all of the scientific disciplines noted above. All aspects of the building function and operation, including sustainability and green construction are being thoroughly reviewed and updated throughout the project.

Update of Significant Results in Period

In October, the steel decking and reinforcing mesh for the 2nd floor and roof was installed and the concrete was placed in these areas. The first floor slab on grade was prepared for concrete placement including the installation of all under slab utilities and radiant heat piping in specific areas. In November, the site was prepared for the placement of the base coat of asphalt paving and the relocation of existing underground telephone/data service conduits was completed. The concrete was placed for the first floor slab on grade. The construction of the exterior walls, the installation of the exterior wall base sheathing and the placement of the air vapor barrier over this sheathing are ongoing. In December, the steel structure for the stair risers was completed and the concrete was poured for these stairs as well as for the equipment pads within the various mechanical spaces. The placement of the base coat of asphalt paving was completed. The installation and framing of the interior walls was begun during this quarter and the rough plumbing, rough electrical and HVAC ductwork installations continued throughout the quarter. The architect and engineer performed several site visits to review progress and quality control testing continues as required. The ground water discharge permit for the project was approved by and received from the state authorities. The construction manager, architect, engineering team and owner continue to work together to move the project forward and good, steady progress is being realized. The requests for information, submittals and other project document details continue to be processed as required to keep the project on schedule. The internal construction web site continues to be updated regularly with information on the project and construction photos are provided to document the progress.

Milestones

Please see attached updated milestones chart dated 1.4.2012 (Project Schedule).

Technical Progress - Summary

- The steel decking and reinforcing mesh was installed and concrete was placed for the 2nd floor and roof.
- The installation of the under slab utilities was completed and concrete was placed on the 1st floor.
- The construction of the exterior walls, base sheathing and placement of the air vapor barrier is ongoing.
- The stair risers were installed and concrete was placed in the risers.
- The base coat of asphalt paving was completed for the site.
- The interior wall framing is underway as well as the rough plumbing, electrical and HVAC work.
- The ground water discharge permit for the project was approved and received from the state authorities.
- The construction manager, architect, engineering team and owner continue to work well together and progress is being realized
- WHOI continues to provide regular communication updates through the use of a website dedicated to the construction project.

Technical Progress - Implications

The construction continues and steady progress is being made.

Technical Progress – Current Status

The construction phase of the project continues and reasonable, steady progress is being realized by the construction team. The expected occupancy date is July 2012.

Technical Progress – Mitigation of Risks

The construction activities include weekly construction meetings with the construction manager, architect and members of the design team as appropriate and the owner. This quarter included several trade coordination meetings using building modeling software to identify any clashes of conflicting mechanical systems. The clashes are resolved prior to installation of these systems in the field thus avoiding time delays and cost increases. A safety review of the ongoing activities on the project is performed by safety professionals on a regular routine basis independently by the construction manager and owner. Any observations of concern are addressed immediately. The results of such meetings including daily communications of needs and expectations by all team members will continue to prove very beneficial in mitigating risks throughout the project.

Summary of Proposed Changes

There are no proposed changes to the scope of the project since the last report.

Problems and Opportunities

Problems – (None)

Opportunities – The unseasonably mild weather has made constructability issues easier to perform. We will continue to pursue opportunities to add value to the overall project.

Organizational Issues

(None)

Upcoming Meetings and Project Events

Meetings

We will hold weekly construction meeting throughout the duration of the project.

Project events – (None)

Respectfully submitted

Ernest G. Charette

WHOI LOSOS Project Schedule (Milestones)

