



UNITED STATES DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
NOAA Marine and Aviation Operations
Marine Operations Center - Pacific
2002 SE Marine Science Drive
Newport, OR 97365

23 January, 2013

MEMORANDUM FOR: Captain Wade J. Blake, NOAA
Commanding Officer, Marine Operations Center - Pacific

FROM: Lieutenant Commander Colin D. Little, NOAA
Deputy Chief of Operations, Marine Operations Center - Pacific

SUBJECT: Amendment 1 to final project instructions, *Bell M. Shimada*
SH-13-01.

Please amend the subject project instructions dated 16 November 2012, as follows:
(Please see included .pdf file)

APPROVED

DISAPPROVED

LET'S DISCUSS



Please amend section IV B. Radioactive Isotopes with the following:

Inventory:

Radioisotope	License #	Max. amount	Storage	Offload Date	POC
14C Sodium Bicarbonate	5128-27	100 μ Ci	RAD Van	2/2/13	Marguerite Blum

MBARI has pursued and obtained separate authorization for bringing RAM aboard the ship. MBARI will be using the same protocols for RAM as SIO except MBARI incubates inoculated samples over a 24 hour period while SIO incubates over a seven hour period.

MBARI's participation in the station work north of Point Conception during CalCOFI, the use of RAM during this period, and the agreement between SIO (Dave Wolgast), SWFSC (Dave Griffith) and MBARI (Marguerite Blum and Francisco Chavez) for the use of the SIO RAD van, waste containers and the required RAM monitoring and spill clean-up protocols have been established and the cooperation between the three agencies has been in place for several years.

The ship will experience no difference in regards to their operations.