

Addendum 2 to

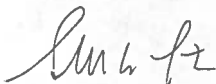
MEMORANDUM OF AGREEMENT BETWEEN
THE UNITED STATES COAST GUARD
AND
THE NATIONAL SCIENCE FOUNDATION
REGARDING POLAR ICEBREAKER SUPPORT AND REIMBURSEMENT

USCG and NSF agree to add the following section to the 2010 MOA as Paragraph 6.A.11 under USCG agreement:

11) Science Party Arctic Mobilization and Demobilization North of Dutch Harbor, AK. Dutch Harbor remains the closest deepwater port to the Arctic. Embarking and disembarking science parties in Dutch Harbor minimizes risk to schedule and personnel from weather, equipment availability and other unforeseen circumstances. USCG will normally schedule science party mobilization and demobilization pierside in Dutch Harbor. However, USCG will make reasonable efforts to meet science party requests to embark and disembark in alternate locations north of Dutch Harbor (such as Barrow or Nome) subject to the following understandings:

- a) USCG will allocate a reasonable period (normally 24 hours) to embark or disembark science parties.
- b) USCG will not conduct transfers (by either watercraft or by air) in violation of applicable law, policy and safety standards, even at the risk of incurring delays or requiring personnel remain onboard for transits. USCG icebreaker command will inform science parties as soon as possible if transfers cannot be accomplished.
- c) Science parties shall schedule only passenger and critical sample transfers north of Dutch Harbor.
- d) Embarkation (pre-mission): Delays incurred beyond the allotted embarkation period will count against scheduled mission days to minimize adverse impact to follow-on missions.
- e) Disembarkation (post-mission): The Chief Scientist shall prioritize passengers and provide this information to the icebreaker command. If delays in disembarkation are encountered, USCG will coordinate with the disembarking and embarking science parties to determine if sailing to Dutch Harbor (~4 days from Barrow) is the preferred means of mitigating risk to the schedule. Every reasonable effort will be made to complete transfers on time but under some conditions, samples, equipment and/or people may remain onboard to allow the follow-on cruise to start on time or cruise durations may be curtailed to allow sufficient time for disembarkation.
- f) Disembarkation/embarkation (between missions): USCG will allocate reasonable periods (normally two 24-hour periods) for disembarking one science party and embarking the next. Delays incurred beyond the allotted transfer time will count against the mobilizing mission days to minimize adverse impact to follow-on missions.
- g) USCG will not charge NSF or science parties for days allotted to transfers or incurred delays.
- h) Nothing in this section prevents USCG icebreakers from adjusting deployment schedules to minimize impact from delays.

Agreed this 9th day of May 2013:



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