



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Alaska Fisheries Science Center
National Marine Mammal Laboratory

7600 Sand Pt Way N.E., Bin C15700
Seattle, Washington 98115-0070
(206) 526-4045 FAX: 526-6615

MEMORANDUM FOR:

Tammy Adams, F/PR1
Acting Chief, PCD

FROM:

John Bengtson *ACTING FOR*
Director, NMML

DATE:

May 8, 2014

SUBJECT:

5-year extension for permit 13430

We request a major modification for Scientific Research Permit 13430 which expires January 31 2015. We are requesting a 5-year extension to the present permit. There are no changes in the number of annual takes nor in the research to be conducted.

The only change we request is use of an additional injectable sedative, Midazolam (5 mg/ml concentration), to reduce anxiety in harbor seals or California sea lions that are unduly stressed by any procedure that may have a prolonged handling time. These procedures include application of back or head mounted instruments, insertion of stomach temperature instruments, or restraint of large adult males or non-pregnant adult females; Midazolam will be used to ease stress to the animal and for the safety of the restrainers.

Midazolam may also be used prior to administering gas anesthesia at the discretion of a veterinarian. Recommended dosages are 0.1 mg/kg of weight for otariids and phocids (Dierauf and Gulland 2001). Midazolam may be used in lieu of Valium in the current permit. We do not want to replace the use of Valium with Midazolam, we just want to have the option to use either drug depending on the preference of the veterinarian.

We also request the use of the reversal drug, flumazenil (0.0002-0.002 mg/kg) (Dierauf and Gulland 2001) to be used, at the discretion of the veterinarian, for reversal of the Midazolam effects.

