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March 30, 2004

Ms. Rachel Browder
Nuclear Materials Licensing Branch
Division of Nuclear Materials Safety
Nuclear Regulatory Commission, Region IV
61 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

Reference: University of California, San Diego Radioactive Materials License, CA #1339-37
RV New Horizon (no 2004 RTS number assigned yet) → RTS# 626

Dear Ms. Browder,

Please see below the information regarding an *RV New Horizon* research cruise during which scientists will use radioactive materials.


Dates: March 23, 2004 thru April 9, 2004

Project description: Carbon-14 will be used to assess plankton quantity and its productivity.

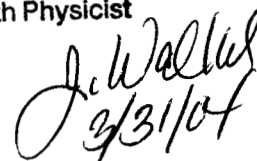
Location: The *RV New Horizon* will be operating in the California Current adjacent to the southern and central California coastlines. The radioactive material will be loaded and removed from the vessel in San Diego, CA.

Radioisotope: Carbon-14, 5 mCi., sodium carbonate

There will be no release of radioactive material, liquid or solid, into the marine environment during the cruise. If you have questions or comments regarding the above cruise, please contact me via telephone at 858-534-6103, fax at 858 534 5306 or email at sobrien@ucsd.edu. Thank you for your assistance.

Best regards,

Sandy O'Brien, Health Physicist
Scripps Institution of Oceanography
University of California, San Diego

Judith Walker
Health Physicist


3/31/04