State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

March 27, 2009

Board of Land
and Natural Resources
Honolulu, Hawaii

Request for Authorization and Approval to Issue a Papahānaumokuākea Marine National Monument Conservation and Management Permit to Commanding Officer John Caskey, National Oceanic and Atmospheric Administration (NOAA) Ship HI'IALAKAI, for Access to State Waters to Conduct Shipboard Support Activities.

The Division of Aquatic Resources (DAR) hereby submits a request for your authorization and approval for issuance of a Papahānaumokuākea Marine National Monument conservation and management permit to John Caskey, C.O., NOAA Ship HI'IALAKAI, pursuant to § 187A-6, Hawaii Revised Statutes (HRS), chapter13-60.5, Hawaii Administrative Rules (HAR), and all other applicable laws and regulations.

The conservation and management permit, as described below, would allow entry and management activities to occur in the Papahānaumokuākea Marine National Monument (Monument), including the NWHI State Marine Refuge and the waters (0-3 nautical miles) surrounding the following sites:

- Nihoa Island,
- Necker Island (Mokumanamana),
- French Frigate Shoals,
- Gardner Pinnacles,
- Maro Reef,
- Laysan Island,
- Lisianski Island, Neva Shoal,
- Pearl and Hermes Atoll, and
- Kure Atoll State Seabird Sanctuary.

The activities covered under this permit would occur from June 1, 2009 through December 31, 2009.

The proposed activities are a renewal of work previously permitted and conducted in the Monument.

INTENDED ACTIVITIES

The applicant proposes to provide an at-sea platform for NOAA's research, education, and management programs and the Monument. Researchers, educators, and managers aboard NOAA Ship HI'IALAKAI would work under separate permits than the ship.

The ship would transit to the Monument from Pearl Harbor, operate within the Monument conducting various operations, including small boat operations, SCUBA diving, snorkeling, marine debris retrieval and removal, oceanographic data collection, and supporting authorized U.S. Fish and Wildlife Service and State of Hawaii marine and land-based operations. The ship would monitor other vessel traffic in the vicinity of operations and report movement via Vessel Monitoring System (VMS) to the NOAA Office of Law Enforcement. Monument personnel would be on board and in charge of all operations.

All methods and procedures would be performed with the safety and welfare of personnel, the protection of Monument resources, and the accomplishment of mission objectives as top priorities. NOAA Ship HI'IALAKAI would have all required inspections (hull fouling, gear, tender vessel, ballast water, and rat) completed before departure to the Monument. NOAA Ship HI'IALAKAI also has a type-approved Vessel Monitoring System (VMS) on board, which meets Monument requirements, and would abide by Monument entry and exit notification requirements.

The support provided by NOAA Ship HI'IALAKAI would not diminish Monument resources, qualities, or ecological integrity and is fully compatible with the purposes of the Proclamation including preserving and furthering understanding of Monument resources and qualities. NOAA Ship HI'IALAKAI plays an integral role in assuring that research and conservation and management activities, which are critical management elements for the Monument, are properly supported in the field.

The activities proposed by the applicant directly support the Monument Management Plan's priority management need 3.6 – Achieving Effective Monument Operations through action plan 3.6.3 - Coordinated Field Operations. As NOAA Ship HI'IALAKAI would serve as a platform for a variety of other permitted activities, this permit would also support priority management needs 3.1 – Understanding and Interpreting the NWHI; 3.2 – Conserving Wildlife and Habitats; and 3.3 – Reducing Threats to Monument Resources.

The activities described above may require the following regulated activities to occur in State waters:

- ☒ Anchoring a vessel
- ☒ Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or Midway Atoll Special Management Area

REVIEW PROCESS:

The permit application was sent out for review and comment to the following scientific and cultural entities: Hawaii Division of Aquatic Resources, Papahānaumokuākea Marine National Monument (NOAA/NOS), NOAA Pacific Islands Regional Office (NOAA-PIRO), United States Fish and Wildlife Service Pacific Islands NW Refuge Complex Office, and the Office of Hawaiian Affairs (OHA). In addition, the permit application has been posted on the Monument Web site since March 10th, giving the public an opportunity to comment. The application was posted within 40 days of its receipt, in accordance with the Monument's Public Notification Policy.

Comments received from the scientific community are summarized as follows:

Scientific reviews support the acceptance of this application.

Concerns raised were:

1. If crew of NOAA Ship HI'IALAKAI collect and remove marine debris they come across while working in the Monument

Comments received from the Native Hawaiian community are summarized as follows:

Cultural reviews support the acceptance of this application. No concerns were raised.

Comments received from the public are summarized as follows:

No comments were received from the public on this application.

Additional reviews and permit history:

Are there other relevant/necessary permits or environmental reviews that have or will be issued with regard to this project? (e.g. MMPA, ESA, EA) Yes ☒ No ☐
If so, please list or explain:

- Research scientists, educators, and managers working aboard NOAA Ship HI'IALAKAI will apply for and be issued separate permits pertaining to their proposed activities.

Has Applicant been granted a permit from the State in the past? Yes ☒ No ☐
If so, please summarize past permits:

- The NOAA Ship HI'IALAKAI's, under previous Commanding Officers, has been granted Monument and/or DLNR permits for similar activities since 2006. (DLNR.NWHI06S003; PMNM-2007-028; PMNM-2008-008)

Have there been any a) violations: Yes ☐ No ☒
b) Late/incomplete post-activity reports: Yes ☐ No ☒

Are there any other relevant concerns from previous permits? Yes ☐ No ☒

RESPONSE:

1. Applicant states the crew is willing to collect marine debris encountered during routine procedures. After discussion with Monument staff, it is recommended that crew be permitted to opportunistically collect free-floating, marine-based debris. Therefore, this excludes, for example, the collection of debris from beaches or debris that is entangled on coral. Applicant would also follow appropriate protocols to prevent the unintended transport of live organisms.

STAFF OPINION:

DAR staff is of the opinion that Applicant has properly demonstrated valid justifications for his application and should be allowed to enter the NWHI State waters and to conduct the activities therein as specified in the application with the following special instructions and conditions, which are in addition to the Papahānaumokuākea Marine National Monument Conservation and Management Permit General Conditions. The following special conditions have been vetted through the legal counsel of the Co-Trustee agencies.

1. To prevent introduction of disease or the unintended transport of live organisms, the permittee must comply with the disease and transport protocols attached to this permit.

2. Tenders and small vessels must be equipped with engines that meet EPA emissions requirements.

3. Refueling of tenders and all small vessels must be done at the support ships and outside the confines of lagoons or near-shore waters in the State Marine Refuge

4. No fishing is allowed in State Waters except as authorized under State law for subsistence, traditional and customary practices by Native Hawaiians.

MONUMENT MANAGEMENT BOARD OPINION:

The MMB is of the opinion that the Applicant has met the findings of Presidential Proclamation 8031 and this activity may be conducted subject to completion of all compliance requirements. The MMB concurs with the special conditions recommended by DAR staff.

RECOMMENDATION:

"That the Board authorize and approve, with stated conditions, a Conservation and Management Permit to Commanding Officer John Caskey, NOAA Ship HI'IALAKAI."

Respectfully submitted,

DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL

LAURA H. THIELEN
Chairperson

Papahānaumokuākea Marine National Monument

CONSERVATION AND MANAGEMENT Permit Application

NOTE: ***This Permit Application (and associated Instructions) are to propose activities to be conducted in the Papahānaumokuākea Marine National Monument. The Co-Trustees are required to determine that issuing the requested permit is compatible with the findings of Presidential Proclamation 8031. Within this Application, provide all information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Papahānaumokuākea Marine National Monument (Monument).***

ADDITIONAL IMPORTANT INFORMATION:

- Any or all of the information within this application may be posted to the Monument website informing the public on projects proposed to occur in the Monument.

- In addition to the permit application, the Applicant must either download the Monument Compliance Information Sheet from the Monument website OR request a hard copy from the Monument Permit Coordinator (contact information below). The Monument Compliance Information Sheet must be submitted to the Monument Permit Coordinator after initial application consultation.

- Issuance of a Monument permit is dependent upon the completion and review of the application and Compliance Information Sheet.

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED

Send Permit Applications to:
Papahānaumokuākea Marine National Monument Permit Coordinator
6600 Kalaniana'ole Hwy. # 300
Honolulu, HI 96825
nwhipermit@noaa.gov
PHONE: (808) 397-2660 FAX: (808) 397-2662

SUBMITTAL VIA ELECTRONIC MAIL IS PREFERRED BUT NOT REQUIRED. FOR ADDITIONAL SUBMITTAL INSTRUCTIONS, SEE THE LAST PAGE.

Papahānaumokuākea Marine National Monument
Permit Application Cover Sheet

This Permit Application Cover Sheet is intended to provide summary information and status to the public on permit applications for activities proposed to be conducted in the Papahānaumokuākea Marine National Monument. While a permit application has been received, it has not been fully reviewed nor approved by the Monument Management Board to date. The Monument permit process also ensures that all environmental reviews are conducted prior to the issuance of a Monument permit.

Summary Information

Applicant Name: Commander John T. Caskey, NOAA

Affiliation: U.S. Department of Commerce
National Oceanic and Atmospheric Administration (NOAA)
Office of Marine and Aviation Operations
NOAA Ship HI`IALAKAI

Permit Category: Conservation and Management
Proposed Activity Dates: June 1 - December 1, 2009
Proposed Method of Entry (Vessel/Plane): NOAA Ship HI`IALAKAI
Proposed Locations: All areas

Estimated number of individuals (including Applicant) to be covered under this permit: 27
Estimated number of days in the Monument: 90

Description of proposed activities: (complete these sentences):

a.) The proposed activity would...
allow NOAA Ship HI`IALAKAI to safely support scientific activities approved through the permit process. HI`IALAKAI provides the base "mother ship" for small boat, diving, mapping, cultural, and other activities approved by the Monument Co-Trustees and the NOAA fleet allocation process. Without ship support, these activities would not be possible.

b.) To accomplish this activity we would ....
operate the ship in accordance with applicable Monument, Federal, and State regulations. The ship will support approved activities while respecting the cultural signifigance of the area and making as minimal an impact on the environment as possible.

c.) This activity would help the Monument by ...
supporting permited science and cultural activities with respect to environmental stewardship. The activities support the understanding and protection of Monument resources and education and outreach to the public.

Other information or background:

When supporting permitted activities at Midway Atoll, the ship typically berths at Midway for 1-3 days to stage operations. After obtaining permission from USF&WS staff and receiving an orientation briefing, crew and scientific personnel engage in recreation and leisure activities when off duty. The proposed activities include walking, wild life viewing, biking, swimming, snorkeling, etc. All activities will be in accordance with Monument and USF&WS regulations.

Section A - Applicant Information

1. Applicant

Name (last, first, middle initial): Caskey, John T. CDR, NOAA

Title: Commanding Officer - NOAA Ship HI'IALAKAI

1a. Intended field Principal Investigator (See instructions for more information):
CDR John T. Caskey

2. Mailing address (street/P.O. box, city, state, country, zip):
[redacted]
Loop
[redacted]

Phone: [redacted]

Fax: n/a

Email: [redacted]

For students, major professor's name, telephone and email address:

3. Affiliation (institution/agency/organization directly related to the proposed project):
U.S. Department of Commerce
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations

4. Additional persons to be covered by permit. List all personnel roles and names (if known at time of application) here (e.g. John Doe, Research Diver; Jane Doe, Field Technician):

Officers and crew of NOAA Ship HI'IALAKAI (positions below; names will be provided in attachment 1 and updated throughout the permit period:)

Executive Officer	Chief Boatswain
Operations Officer	Boatswain Group Leader
Navigation Officer	Deck Utilityman
Junior Officer	Able Seaman
Third Mate	Able Seaman
Medical Officer	Ordinary Seaman
Chief Engineer	General Vessel Assistant
First Engineer	General Vessel Assistant
Third Engineer	Chief Steward
Junior Engineer	Chief Cook
Engine Utility	Second Cook
General Vessel Assistant	Electronics Technician
Survey Technician	Chamber Operator

Section B: Project Information

5a. Project location(s):

		Ocean Based	
☒ Nihoa Island	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Necker Island (Mokumanamana)	☐ Land-based	☒ Shallow water	☒ Deep water
☒ French Frigate Shoals	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Gardner Pinnacles	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Maro Reef			
☒ Laysan Island	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Lisianski Island, Neva Shoal	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Pearl and Hermes Atoll	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Midway Atoll	☐ Land-based	☒ Shallow water	☒ Deep water
☒ Kure Atoll	☐ Land-based	☒ Shallow water	☒ Deep water
☐ Other			

NOTE: There is a fee schedule for people visiting Midway Atoll National Wildlife Refuge via vessel and aircraft.

Location Description:
Ship will operate throughout the Monument in support of activities approved in various other Monument permits.

5b. Check all applicable regulated activities proposed to be conducted in the Monument:

☐ Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging any living or nonliving Monument resource

☐ Drilling into, dredging, or otherwise altering the submerged lands other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands

☒ Anchoring a vessel

☐ Deserting a vessel aground, at anchor, or adrift

☒ Discharging or depositing any material or matter into the Monument

☐ Touching coral, living or dead

☐ Possessing fishing gear except when stowed and not available for immediate use during passage without interruption through the Monument

☐ Attracting any living Monument resource

☒ Sustenance fishing (Federal waters only, outside of Special Preservation Areas, Ecological Reserves and Special Management Areas)

☐ Subsistence fishing (State waters only)

☒ Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or Midway Atoll Special Management Area

6 Purpose/Need/Scope ***State purpose of proposed activities:***
The purpose of the ship's activities are to provide an at sea research platform to support diver, small boat, multibeam mapping, and education activities in support of approved Monument permits. All operations are for activities permitted by the co-trustees of the Monument as being compatible with the conservation and management goals of the Monument, NOAA, USF&WS, and the State of Hawaii. Activities will be respectful of the natural, historical and cultural resources of the Monument.

HI'IALAKAI is dedicated to studying and protecting the Papahanaumokuakea Marine National Monument, and to carrying out NOAA's mission of understanding the Earth's environment and managing marine resources to meet our nation's economic, social and environmental needs.

7. Answer the Findings below by providing information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Monument:

The Findings are as follows:

a. How can the activity be conducted with adequate safeguards for the cultural, natural and historic resources and ecological integrity of the Monument?
The activity will be conducted with adequate safeguards for the resources and ecological integrity of the Monument. The HI'IALAKAI and all respective tender vessels will anchor on sandy substrate only. All sustenance fishing activities conducted aboard the HI'IALAKAI will be undertaken outside all Special Preservation Areas and the Midway Atoll Special Management Area. All sustenance fishing activities will take place per Monument regulations, rules and policies.

The HI'IALAKAI has a Type II Marine Sanitation Device capable of treating black water and a holding tank capable of holding sewage and grey-water. The HI'IALAKAI has a waste management plan which meets or exceeds the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) and U.S. Coast Guard regulations and Monument regulations.

The HI'IALAKAI also has a working Vessel Monitoring System installed capable of tracking all movement within the Monument, per the requirements of Proclamation 8031, signed by the President on June 15, 2006. NOAA Ship HI'IALAKAI will maintain up to date inspections: Rat free inspection, hull and tender inspection and cleaning, and ballast water inspection.

Each year the ship invites a member of the Monument staff to brief the crew on the historical and cultural significance of the Monument. Additionally, DVDs of the cultural lecture and briefing materials of the natural and cultural resources of the Monument are available to crew and scientific personnel at any time.

b. How will the activity be conducted in a manner compatible with the management direction of this proclamation, considering the extent to which the conduct of the activity may diminish or enhance Monument cultural, natural and historic resources, qualities, and ecological integrity, any indirect, secondary, or cumulative effects of the activity, and the duration of such effects?

HI`IALAKAI is the support vessel to conduct activities authorized in other permits. All support activities will be conducted in accordance with regulations and in a manner to reduce any impact to the environment and with respect cultural resources.

c. Is there a practicable alternative to conducting the activity within the Monument? If not, explain why your activities must be conducted in the Monument.

HI`IALAKAI is one of the most capable dive research vessels in the world. The ship has a record of safe mission support, embracing environmental stewardship, and respecting cultural resources of the Monument. Because of this, the ship is the support vessel of choice to conduct activities authorized in other permits.

d. How does the end value of the activity outweigh its adverse impacts on Monument cultural, natural and historic resources, qualities, and ecological integrity?

HI`IALAKAI is the support vessel to conduct activities authorized in other permits as beneficial to the management goals of the Monument. The activities cannot occur without a support vessel.

e. Explain how the duration of the activity is no longer than necessary to achieve its stated purpose.

HI`IALAKAI will spend no additioinal time in the Monument than necessary to support operations authorized in individual permits for each cruise.

f. Provide information demonstrating that you are qualified to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

NOAA Commanding Officers are authorized to operate NOAA Vessels in accordance with annual sailing orders and the fleet allocation plan. NOAA ships are public vessels of the United States and conform with regulations for personnel qualifications and operations. The NOAA Ship HI'IALAKAI spends over one hundred days a year in the Papahānaumokuākea Marine National Monument. The applicant is well qualified to conduct and complete the activity and mitigate any potential impacts resulting from the activity.

g. Provide information demonstrating that you have adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

HI'IALAKAI is public vessel operating in the Monument to support activities approved by the Monument co-trustees. As such, the ship is part of the Monument management team and the U.S. Government.

h. Explain how your methods and procedures are appropriate to achieve the proposed activity's goals in relation to their impacts to Monument cultural, natural and historic resources, qualities, and ecological integrity.

All activities will be conducted to support work permited in individual research permits for each cruise and with respect to environmental stewardship and the cultural heritage of the Monument. Applicable Monument, federal, and state regulations will be followed.

i. Has your vessel has been outfitted with a mobile transceiver unit approved by OLE and complies with the requirements of Presidential Proclamation 8031?

NOAA Ship HI'IALAKAI is equipped with a Monument type-approved NOAA OLE Vessel Monitoring System (Specifications below).

Sailor TT 3606 XP - Thrane & Thrane
VMS Email: 430338120@c.xantic.net
Inmarsat ID#:430388120

j. Demonstrate that there are no other factors that would make the issuance of a permit for the activity inappropriate.
There are no other factors that would make the issuance of a permit for the activity inappropriate.

HI'IALAKAI has supported research and cultural activities within the Papahanaumokuakea Marine National Monument for several years. The ship and crew have a strong record of safe operations, mission accomplishment, and respect for the environmental and cultural resources of the Monument.

8. Procedures/Methods:
The ship will transit to the monument from Pearl Harbor, operate within the monument with various research and education operations, including small boat operations, diving, snorkeling, multibeam sonar mapping, oceanographic data collection, and supporting authorized USF&WS or State of Hawaii land based operations.

Crew activities will include small boat operations, SCUBA, snorkeling, and swimming as necessary for vessel maintenance, emergency operations, proficiency, and support of vessel and research activities.

The ship will monitor other vessel traffic in the vicinity of operations and report movement to the NOAA Office of Law Enforcement.

The ship will typically perform small boat operations during the day and mapping or oceanography at night.

Monument personnel will typically be on board and in charge of the scientific party.

All methods and procedures will be performed with the safety and welfare of personnel, the protection of Monument natural and cultural resources, and the accomplishment of mission objectives as top priorities.

Ship's personnel will abide by the NOAA documents: "Marine Wildlife Viewing Guidelines", the "Disease and Introduced Species Prevention Protocol for Permitted Activities in the Marine Environment Papahanaumokuakea Marine National Monument" for in water activities, and the "Best Practices for Minimizing Impact of Artificial Light on Sea Turtles".

HI`IALAKAI, like any other vessel or house hold, inevitably creates waste. The ship carries up to 48 scientists and crew for 30-day periods. The waste generated is relatively small compared to a cruise ship or other larger vessels, but the issue is taken very seriously. The ship has waste management systems and plans, follows or exceeds MARPOL and USCG regulations in all waters, and has a goal to exceed Monument regulations when operating inside the Monument.

Inside the Special Preservation Areas (SPAs) the ship holds everything that flows down a drain. Outside the SPA, the ship legally discharges food scraps, which are not sanitary to store on board, treated sewage (type II MSD effluent), and diluted water from sink and shower drains (grey water) in accordance with regulations and authorizations in the ship's permit. Water saving equipment has been installed to reduce the amount of drain water generated each day, substantially reducing the amount of waste water requiring treatment each day.

Discharges such as engine cooling water, deck runoff, and engine exhaust are inevitable to vessel use and are allowed in all areas under the Monument regulations.

The crew of HI`IALAKAI is understanding and respectful of the natural and cultural importance of the Monument, and will strive to minimize all discharges of any type within the Monument.

NOTE: If land or marine archeological activities are involved, contact the Monument Permit Coordinator at the address on the general application form before proceeding, as a customized application will be needed. For more information, contact the Monument office on the first page of this application.

9a. Collection of specimens - collecting activities (would apply to any activity): organisms or objects (List of species, if applicable, attach additional sheets if necessary):

Common name:
n/a - individual science permits will cover.

Scientific name:

& size of specimens:

Collection location:

☐ Whole Organism ☐ Partial Organism

9b. What will be done with the specimens after the project has ended?
n/a - individual science permits will cover.

9c. Will the organisms be kept alive after collection? ☐ **Yes** ☐ **No**
n/a - individual science permits will cover.

• General site/location for collections:

• Is it an open or closed system? ☐ Open ☐ Closed

• Is there an outfall? ☐ Yes ☐ No

• Will these organisms be housed with other organisms? If so, what are the other organisms?

• Will organisms be released?

10. If applicable, how will the collected samples or specimens be transported out of the Monument?
n/a - individual science permits will cover.

11. Describe collaborative activities to share samples, reduce duplicative sampling, or duplicative research:
n/a - individual science permits will cover.

12. List all specialized gear and materials to be used in this activity:
Small boats, multibeam sonar, and ROV. All other gear will be specified in individual science permits.

13. List all Hazardous Materials you propose to take to and use within the Monument:
Fuel / Lubricants: Gasoline, #2 Diesel Fuel, Lubrication Oil & Hydraulic Oil (Amounts will vary per cruise)

Hazardous Materials (MSDS Inventory):

Antifoulant Device	EP-921 (cleaning solvent)
Aqua-Sol 20/20 Marine	Estesol Gold (skin cleanser)
AS-175 Anti-Slip Coating	Eyesaline Concentrate (eyewash)
Various Types of Batteries	First Step
CCX-77	Gasket Remover Aerosol
Cleaner / Degreaser 5G	Gleem Metal Polish
Clorox Bleach	Paints (Various)
LPS CFC – Contact Cleaner	Qurox
Silicone Aerosol	Simple Green (Cleaner / Degreaser)
WD-40	Wedac

14. Describe any fixed installations and instrumentation proposed to be set in the Monument:
n/a - individual science permits will cover.

15. Provide a time line for sample analysis, data analysis, write-up and publication of information:
n/a - individual science permits will cover.

16. List all Applicant's publications directly related to the proposed project:
n/a

With knowledge of the penalties for false or incomplete statements, as provided by 18 U.S.C. 1001, and for perjury, as provided by 18 U.S.C. 1621, I hereby certify to the best of my abilities under penalty of perjury of that the information I have provided on this application form is true and correct. I agree that the Co-Trustees may post this application in its entirety on the Internet. I understand that the Co-Trustees will consider deleting all information that I have identified as "confidential" prior to posting the application.

Signature Date

SEND ONE SIGNED APPLICATION VIA MAIL TO THE MONUMENT OFFICE BELOW:

Papahānaumokuākea Marine National Monument Permit Coordinator
6600 Kalaniana'ole Hwy. # 300
Honolulu, HI 96825
FAX: (808) 397-2662

DID YOU INCLUDE THESE?

☐ Applicant CV/Resume/Biography
☐ Intended field Principal Investigator CV/Resume/Biography
☒ Electronic and Hard Copy of Application with Signature
☐ Statement of information you wish to be kept confidential
☐ Material Safety Data Sheets for Hazardous Materials

NOAA Ship HI'IALAKAI

Commanding Officer	John Caskey, CDR

Officers

Deck

Executive Officer	Eric Johnson, LT
Operations Officer	Kyle Ryan, LTJG
Navigation Officer	Jeff Sage, 3M
JOOD	Vacant
Medical Officer	Joe Morris, LCDR

Engine

Chief Marine Engineer	Kevin Sorbello
1st Assistant Engineer	Jesse Duncan
3rd Assistant Engineer	Jeff Robb
3rd Assistant Engineer	Dalton Haubold

Crew

Deck

Chief Boatswain	Mark O'Connor
Boatswain Group Ldr	Keith Lyons
Deck Utilityman	Frank G. Maurizio
Able Seaman	Jason Kehn
Able Seaman	Scott Jones
Ordinary Seaman	Timothy Crumley
General Vessel Asst	Andres Garza (AB)
General Vessel Asst/SCEP	Raymond Castillo

Stewards

Chief Steward	Alan Gary
Chief Cook	Susan Parker
Second Cook	Herb Watson

Survey

Senior Survey Tech	Augmentor

Engineering

Engine Utilityman	Angelo Grant
General Vessel Asst/SCEP	Steve Weber

Electronics

ET	Mike Crumley
ET	Joe Roessler

Papahānaumokuākea Marine National Monument
Compliance Information Sheet

1. Updated list of personnel to be covered by permit. List all personnel names and their roles here (e.g. John Doe, Diver; Jane Doe, Field Technician, Jerry Doe, Medical Assistant): See attached crew list

2. Specific Site Location(s): (Attach copies of specific collection locations): Multiple sites to be dictated by scientific projects that the ship is supporting.
Specific sites will be determined by the scientific party and will be covered in their permit applications.

3. Other permits (list and attach documentation of all other related Federal or State permits): N/A

3a. For each of the permits listed, identify any permit violations or any permit that was suspended, amended, modified or revoked for cause. Explain the circumstances surrounding the violation or permit suspension, amendment, modification or revocation. N/A

4. Funding sources (Attach copies of your budget, specific to proposed activities under this permit and include funding sources. See instructions for more information): All funding comes from an annual budget of the United States Federal Government for the National Oceanic and Atmospheric Administration

5. Time frame:
Activity start: 6/9/09
Activity completion: 10/21/09

Dates actively inside the Monument:
From: We have 3 projects that will be within the PMNM this year. The planned specific dates within the monument include but are not limited to the following:
June 9 - July 3
Aug. 6 - Sept. 4
Sept. 17 - Oct. 21
To:

Describe any limiting factors in declaring specific dates of the proposed activity at the time of application: The ship's schedule is subject to change to a variety of factors such as weather delays and changes in project schedules. The actual project dates within the permit time frame are tentative.

Personnel schedule in the Monument: See attached crew list which will be updated on a cruise by cruise basis.

6. Indicate (with attached documentation) what insurance policies, bonding coverage, and/or financial resources are in place to pay for or reimburse the Monument trustees for the necessary search and rescue, evacuation, and/or removal of any or all persons covered by the permit from the Monument: The US Federal Government is self-insured

7. Check the appropriate box to indicate how personnel will enter the Monument:

☒ Vessel
☐ Aircraft

Provide Vessel and Aircraft information: NOAA Ship HI'IALAKAI IMO # 8835619

8. The certifications/inspections (below) must be completed prior to departure for vessels (and associated tenders) entering the Monument. Fill in scheduled date (attach documentation): These inspections are conducted periodically in accordance with Monument regulations. The inspections will be conducted again between May 26th - June 8th while the ship prepares for the first PMNM cruise of the year.

☒ Rodent free, Date: 3-9-09
☒ Tender vessel, Date: 3-12-09
☒ Ballast water, Date: 2-15-09
☐ Gear/equipment, Date: TBD but will be prior to entry into Monument
☐ Hull inspection, Date: TBD but will be prior to entry into Monument

9. Vessel information (NOTE: if you are traveling aboard a National Oceanic and Atmospheric Administration vessel, skip this question):
Vessel name:
Vessel owner:
Captain's name:

IMO#:
Vessel ID#:
Flag:
Vessel type:
Call sign:
Embarkation port:
Last port vessel will have been at prior to this embarkation:
Length:
Gross tonnage:
Total ballast water capacity volume (m3):
Total number of ballast water tanks on ship:
Total fuel capacity:
Total number of fuel tanks on ship:
Marine Sanitation Device:
Type:

Explain in detail how you will comply with the regulations regarding discharge in the Monument. Describe in detail. If applicable, attach schematics of the vessel's discharge and treatment systems: Hi'ialakai, like any other vessel or house hold, inevitably creates waste.
The ship carries up to 48 scientists and crew for 30-day periods. The waste generated is relatively small compared to a cruise ship or other larger vessels, but the issue is taken very seriously. The ship has waste management systems and plans, follows or exceeds MARPOL and USCG regulations in all waters, and has a goal to exceed Monument regulations when operating inside the Monument.
Inside the Special Preservation Areas (SPAs) the ship holds everything that flows down a drain. Outside the SPA, the ship legally discharges food scraps, which are not sanitary to store on board, treated sewage (type II MSD effluent), and diluted water from sink and shower drains (grey water) in accordance with regulations and the ship's permit. Water saving equipment was installed in 2007 to reduce the amount of drain water generated each day, substantially reducing the amount of waste water requiring treatment each day.
Discharges such as engine cooling water, deck runoff, and engine exhaust are inevitable to vessel use and are allowed in all areas under the Monument regulations.
The crew of HI`IALAKAI is understanding and respectful of the natural and cultural importance of the Monument, and will strive to minimize all discharges of any type within the Monument

Other fuel/hazardous materials to be carried on board and amounts: Hazardous Materials (MSDS Inventory):
Antifoulant Device EP-921 (cleaning solvent)

Aqua-Sol 20/20 Marine	Estesol Gold (skin cleanser)
AS-175 Anti-Slip Coating	Eyesaline Concentrate (eyewash)
Various Types of Batteries	First Step
CCX-77	Gasket Remover Aerosol
Cleaner / Degreaser 5G	Gleem Metal Polish
Clorox Bleach	Paints (Various)
LPS CFC – Contact Cleaner	Qurox
Silicone Aerosol	Simple Green (Cleaner / Degreaser)
WD-40	Wedac
ZEP Rust Remover	

Provide proof of a National Oceanic and Atmospheric Administration (NOAA) Office of Law Enforcement-approved Vessel Monitoring System (VMS). Provide the name and contact information of the contractor responsible for installing the VMS system. Also describe VMS unit name and type: Sailor TT 3606 XP - Thrane & Thrane

VMS Email: 430338120@c.xantic.net
Inmarsat ID#:430388120

* Individuals MUST ENSURE that a type-approved VMS unit is installed and that its automatic position reports are being properly received by the NOAA OLE system prior to the issuance of a permit. To make sure your VMS is properly configured for the NOAA OLE system, please contact NOAA OLE at (808) 203-2503 or (808) 203-2500.

* PERMITS WILL NOT BE ISSUED TO INDIVIDUALS ENTERING THE MONUMENT VIA VESSEL UNTIL NOAA OLE HAS CONTACTED THE MONUMENT PERMIT COORDINATOR WITH A 'POSITIVE CHECK' READING.

10. Tender information:

On what workboats (tenders) will personnel, gear and materials be transported within the Monument? List the number of tenders/skiffs aboard and specific types of motors:
NOAA Ship HI'IALAKAI has the following tenders which will be deployed.
1. 8m – Jetboat Launch – 270 hp Yanmar (Diesel)
2. 10m – Jetboat Launch – 315 hp Yanmar (Diesel)
3. Rescue Boat - Four Stroke 115 hp (Gas)
4. Northwinds RHIB – single outboard engine (Four Stroke 90hp)
Additionally, HI'IALAKAI may carry one or more of the following science party provided tenders:
1. 19' Safeboat – twin outboard engines (Four Stroke 60 hp each)
2. 19' Safeboat – twin outboard engines (Four Stroke 75 hp each)
3. 19' Safeboat - AHI multibeam sonar survey launch – Volvo inboard/outboard Diesel (236 hp)
4. (2) Avon inflatable boat – single outboard engine (Four Stroke 50hp)

5. 10m console boat – twin outboard engines (Four Stroke 90 hp each)

Additional Information for Land Based Operations

11. Proposed movement of personnel, gear, materials, and, if applicable, samples: The ship may use tenders to transport personnel, gear, and materials to shore in support of USF&WS & State of Hawaii sponsored land based operations

12. Room and board requirements on island: None

13. Work space needs: None

DID YOU INCLUDE THESE?
☐ Map(s) or GPS point(s) of Project Location(s), if applicable
☐ Funding Proposal(s)
☐ Funding and Award Documentation, if already received
☐ Documentation of Insurance, if already received
☐ Documentation of Inspections
☐ Documentation of all required Federal and State Permits or applications for permits