

Applied Marine Sciences, Inc.

GSA Federal Supply Schedule

Contract #: GS-10F-0006Y

***899-1 Environmental Consulting Services
899-10 Ancillary Supplies and/or Services***

**Applied Marine Sciences, Inc
4749 Bennett Drive, Suite L
Livermore, CA 94551
(Voice) 925.373.7142
(Fax) 925.373-7834
www.amarine.com**

**Contact: Jay A. Johnson
Sr. Oceanographer, Managing Principal
johnson@amarine.com**

GSA Schedule Contract GS-10F-0006Y

Commission, and California State Lands Commission, in addition to private industry.

Applied Marine Sciences, Inc. (AMS), a certified Federal small business, is an environmental consultancy specializing in the design, conduct, and management of projects that deal with complex biological and chemical phenomena, fate and effects investigations, biological contamination, ecological baseline, impact monitoring, and environmental impact assessments in marine, estuarine, and freshwater environments.

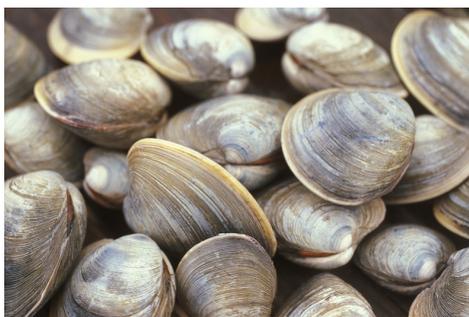
AMS can provide these services to Federal agencies under its Multiple Award Schedule Contract for Special Item Numbers (SINs):

899-1 Environmental Consulting Services
899-10 Ancillary Supplies and Services

STAFF EXPERTISE & EXPERIENCE

AMS personnel have experience assessing and evaluating environmental concerns on inland waters, wetlands, estuaries, offshore locations, and in remote regions of the world requiring extensive logistical planning and support. AMS personnel have worked in the coastal waters of the Pacific Ocean, offshore Alaska, Hawaii, Florida, throughout the Gulf of Mexico; Australia, Russia and the Former Soviet Union, the North Sea, Middle East, and Europe. AMS owns or has access to all the necessary scientific sampling equipment, research vessels, refrigerated, freezer, and dry storage facilities, SCUBA, ROV and research vessels, and laboratories to conduct water quality, sediment, benthic biology, fisheries, contaminant, plankton, oceanographic, and wildlife studies.

Since its founding in 1990, AMS has conducted more than 175 projects for State and Federal agencies such as the USEPA, Department of Interior Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE), National Park Service (NPS), US Army Corps of Engineers (USACE), National Oceanographic and Atmospheric Administration (NOAA), Alaska Department of Fish and Game, California Bay-Delta Authority (CBDA), California State Water Resources Control Board, California Department of Fish and Game, California Coastal



SERVICES

- Applied Research**
- Aquatic Ecology**
- Biota & Wildlife Habitat Studies**
- Coastal & Estuarine Studies**
- Comprehensive Environmental Monitoring**
- Data Management**
- Ecological Baseline Assessments**
- Environmental Mitigation Monitoring**
- NEPA Environmental Impact Assessments and Statements**
- Fate & Effects Studies**
- Fisheries Investigations**
- Fish and Invertebrate Entrainment Studies & Assessments**
- Freshwater & Marine Ecological Surveys and Studies**
- Habitat/Ecological Site Characterizations and Mapping**
- Impact Monitoring Studies**
- International Permitting and Project Support**
- Intertidal Studies**
- Literature Review & Evaluations**
- Project Management**
- Natural Resource Damage Assessments & Restoration**
- QA/QC and QAPP Development & Review**
- Quantitative Ecological Assessments**
- Regulatory Permitting**
- Restoration & Reclamation Plans**
- ROV, SCUBA, and Manned Submersible Photodocumentation Surveys & Studies**
- Scientific Diving (SCUBA)**
- Stakeholder Consensus Building**
- Statistical Analysis**
- Stormwater Management**
- Transport & Uptake Investigations**
- Structural & Biological Habitat Assessments and Restorations**
- Water Quality Sampling & Monitoring**

Corporate Office

4749 Bennett Drive, Suite L
Livermore, CA 94551
Voice: 925.373.7142
Fax: 925.373.7834

Encinitas Office

934 Birchview Drive
Encinitas, CA 92024
Voice: 760.792.3024
Fax: 760.436.1291

Santa Cruz Office

P.O. Box 8346
Santa Cruz, CA 95061-8346
Voice: 831.426.6326
Fax: 831.426.6912

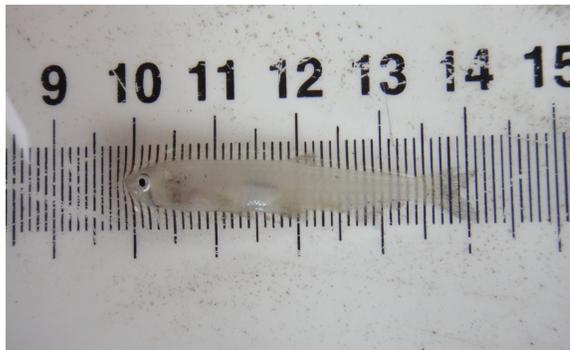
The professional staff at AMS frequently provides project management services for its governmental clients at the local, regional, state, Federal, and international level. Our management strategy utilizes a comprehensive understanding and knowledge of applicable regulations, familiarity with and access to current research activities relative to the geographic area or scientific field of interest, and careful consideration of current political realities in the system under study. AMS augments its in-house personnel with recognized experts from academic institutions and other consultancies. AMS' professional staff of marine biologists, toxicologists, oceanographers, and aquatic scientists has more than 150 combined years in developing and managing many different types of projects on behalf of our clients. Our low overhead combined with flexibility in implementing and managing projects allows us to conduct projects on widely varying scales and locations.

SAMPLE GOVERNMENT PROJECTS

Beginning with its incorporation in 1990 to provide the Chief Scientist for the government's investigations of natural resource damages and recovery from the Exxon Valdez Oil Spill (EVOS), AMS has continued to collaborate with and conduct independently a wide variety of environmental assessments, monitoring, and management projects for Federal agencies. A few recent examples are provided below.

Conduct of the 2011 Longfin and Delta Smelt Monitoring Program for the USACE in San Francisco Estuary

AMS was the Prime Contractor responsible for implementation of longfin and delta smelt monitoring activities of these threatened and endangered species during the 2011 US Army Corps of Engineers (USACE) annual maintenance channel dredging operations. This \$110,000 Lump Sum contract had AMS providing two 2-person teams of field biologists working 24/7 to conduct entrainment monitoring per approved monitoring protocols. AMS' scientific personnel were responsible for obtaining required state take permits associated with the monitoring, interfacing with state and federal agencies with regulatory oversight, and reporting entrainment results on a daily basis to all parties. The final report summarized the scientific conclusion of dredging activities and estimates of fish entrainment.



REPRESENTATIVE GOVERNMENTAL AGENCY CLIENT LIST

Alameda County Public Works Agency
Alaska Department of Fish and Game
Alaska Department of Natural Resources
California Bay-Delta Authority (CALFED)
California State Lands Commission
Carmel Area Wastewater District
City of Carmel
City of Fort Bragg
City of Oakland
City of Piedmont
City of Watsonville
County of Monterey, CA
County of Marin, CA
Contra Costa County Clean Water Program
East Bay Dischargers Authority
East Bay Municipal Utility District
Exxon Valdez Oil Spill Restoration Trustee Council
Monterey Bay National Marine Sanctuary
National Oceanic and Atmospheric Administration
State of CA Water Resources Control Board
US Army Corps of Engineers
US Environmental Protection Agency
US Navy
US National Park Service
US Dept of the Interior, Bureau of Ocean Energy Management, Regulation and Enforcement
US Dept of the Interior, National Park Service

Pacific Outer Continental Shelf Oil & Gas Operations Monitoring for the US DOI, Bureau of Ocean Energy Management, Regulation, and Enforcement (BOEMRE)



AMS was selected by BOEMRE to provide on-call scientific monitoring of all Outer Continental Shelf (OCS) oil and gas operations in the Pacific Region as a key part of their environmental mitigation monitoring program. This 5-year, \$500,000 Indefinite Delivery Indefinite Quantity (IDIQ) project has AMS developing and implementing scientific studies to evaluate the effectiveness of environmental mitigation measures and project conditions required of post-lease oil & gas operations in the Pacific Region. To date, three studies have been conducted: (1) hydrogen sulfide modeling of potential accidental releases from POCS platforms and the potential danger to onshore area, boaters, and platform workers, (2) assessment of POCS platform lighting on bird behavior during spring and fall bird migrations, and (3) an assessment of a partially abandoned POCS well in 1200 feet of water to determine if it remains structurally sound, is not leaking hydrocarbons, and is not posing a threat to marine life or commercial fishing interests. The inspection was conducted using a Remotely Operated Underwater Vehicle (ROV) and a CONTROS HydroC™ PAH mobile leak detection system.

Evaluation of Best Management Practices to Reduce Generation and Loadings of Methyl Mercury, Sacramento and Stockton Deep Water Shipping Channel Maintenance Dredging Project

Following up on a previous investigation conducted by AMS for USACE, AMS was contracted to identify and test potential best management practices (BMPs) to reduce the generation of MeHg in dredged material placement (DMP) site water that could be discharged into receiving waters. As part of this investigation, AMS performed a literature review to identify over twenty BMPs of relevance to the project, prioritized these BMPs in order of effectiveness and feasibility, and is implementing a multi-year program to test their effectiveness. The results of the study address management questions of importance to the USACE's upcoming channel deepening project.

SIN 899-1

Environmental Consultant Services

AMS Labor Price List (2011/2012)

Labor Category	Hourly Labor Rate*
Senior Principal Scientist	\$164.00
Principal Scientist	\$116.00
Staff Principal Scientist	\$109.00
Scientist	\$92.00
Staff Scientist	\$73.00
Field Technician	\$53.00
Consulting Sr. Wildlife Biologist	\$134.00
Consulting Wildlife Biologist	\$89.00
Consulting Sr. Fisheries Biologist	\$116.00
Consulting Fisheries Biologist	\$98.00
Office Manager	\$75.00
Sr. Administrative Assistant	\$74.00
Administrative Assistant ¹	\$51.00

*Includes IFF

SIN 899-10

Ancillary Supplies and/or Services

For specific projects, AMS may be requested to provide scientific sampling equipment or other materials necessary to support contracted services. The following table contains AMS' 2010-2012 standard commercial rate sheet for scientific sampling equipment and other project specific direct charges. AMS will provide reduced rates of 5% for extended periods of use, defined as a period of one week to one month and 10% for periods longer than one month.

Equipment	Rate
Water Sampler (Niskin Bottles)	\$ 20.00/day ¹
Water Sampler (Peristaltic Pump)	\$ 35.00/day ¹
Water Sampler (Large Volume Impeller Pump)	\$ 45.00/day ¹
Stream/Estuary Autosampler	\$ 150.00/week ²
Plankton Sampler	\$ 20.00/day ¹
Beach/Shallow Water Seine	\$ 50.00/day ¹
Fish Gill Net	\$ 75.00/day ¹
Fish Fyke Net	\$ 100.00/day ¹
Otter trawl	\$ 150.00/day ¹
Bottom Sampler/Dredge (Bivalve Sampler)	\$ 50.00/day ¹
Large Benthic/Sediment Sampler (Coated Van Veen Grab)	\$ 100.00/day ¹
Small Benthic/Sediment Sampler (Eckman Dredge)	\$ 25.00/day ¹
Benthic Wash Table and Screens	\$ 100.00/day ¹
Shallow Sediment Auger	\$ 25.00/day ¹
Piston Push Corer (2.5 inch ID core tube)	\$ 75.00/day ¹
Water Quality Recorder (Temp, DO, depth, pH, conductivity, chlorophyll, and other select parameters).	\$ 400.00/day ¹
Scuba Equipment	\$ 90.00/day ¹
Underwater Communication Equipment	\$ 90.00/day ¹
Underwater 35 mm Still Camera	\$ 95.00/day ¹
Surface Video Camera	\$ 25.00/day ¹
Handheld GPS	\$ 10.00/day ¹
Field Computer	\$ 20.00/day ¹
Depth Echosounder	\$ 10.00/day ¹
12' Inflatable Boat w/trailer	\$ 275.00/day ¹
2-way radios	\$ 10.00/week ¹
B/W Photocopies	\$.08/copy
Color Photocopies and Pictures	\$ 0.50/copy
On-line Literature Search Access	\$ 20.00/hour
Automobile Mileage	\$ Current government rate

¹ Reduced rates for periods of a week or longer.

² Pro-rated for shorter periods of use; reduced rate for extended usage.

Charges for third-party equipment, supplies, services or facilities will be billed firm-fixed price or as established by the contract. Such outside expenses will include: provision of watercraft, aircraft, and oceanographic equipment; travel and subsistence; copy, reproduction and binding services; communication charges (including telephone, telex cables, and courier services); chemical, taxonomic, sedimentological, and other laboratory services; and outside contractors and consultants.

GENERAL SERVICES ADMINISTRATION

**Federal Supply Service
Authorized Federal Supply Schedule Price List**

On-line access to contract ordering information, terms, and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!, a menu-driven database system. The INTERNET address for **GSA Advantage!**[®] is <http://www.gsa.gov>.

SCHEDULE TITLE & FSC GROUP*: ***Environmental Studies***

* For more information on ordering from Federal Supply Schedules, click on the FSS Schedules button at fss.gsa.gov

CONTRACT NUMBER: ***GS-10F-0006Y***

CONTACT PERIOD: ***October 5, 2011 through October 4, 2016***

CONTRACTOR'S NAME, ADDRESS, TELEPHONE AND FAX NUMBERS;E-MAIL, AND/OR WEB SITE ADDRESS:

***Applied Marine Sciences, Inc.
4749 Bennett Drive, Suite L
Livermore, CA 94551
Telephone - 925.373.7142
FAX - 925.373.7834
Email - johnson@amarine.com***

CONTRACTOR'S ADMINISTRATION SOURCE: ***Jay A. Johnson***

BUSINESS SIZE: ***Small***

INFORMATION FOR ORDERING ACTIVITIES

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs):

***899-1 Environmental Consulting Services
899-10 Ancillary Supplies and/or Services***

1b. Identification of Lowest Price Model Number: ***N/A***

1c. Labor Category, Education, Experience and Position Descriptions of General Duties for AMS Personnel and Consulting Scientists

Labor Category: Senior Principal Scientist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: >25 Yrs.
<p>Position Description: This class includes managing principals of the company. This position provides senior level scientific expertise and task/project management related to marine and aquatic issues in chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level. Responsible for management of projects and supervision of other scientific personnel and Project Managers in the design and execution of company projects. Regularly interfaces with clients and consulting scientists.</p>	
<p>Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving preferred.</p>	
Labor Category: Principal Scientist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: >15 Yrs.
<p>Position Description: This class includes managing principals of the company. This position provides senior level scientific expertise and task/project management related to marine and aquatic issues in chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level. Responsible for management of projects and supervision of other scientific personnel and Project Managers in the design and execution of company projects. Regularly interfaces with clients and consulting scientists.</p>	
<p>Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.</p>	
Labor Category: Staff Principal Scientist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: >10 Yrs.
<p>Position Description: This position includes principals of the company who provide mid to senior level scientific expertise and task/project management related to marine and aquatic issues in chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level. Responsible for management of projects and supervision of other scientific personnel involved in their projects. Regularly interfaces with clients and consulting scientists.</p>	
<p>Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.</p>	

Labor Category: Senior Scientist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: 20 or more Yrs.
Position Description: This position provides senior level scientific expertise and task/project management related to marine and aquatic issues in chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level. Responsible for management of projects and supervision of other scientific personnel involved in their projects. Regularly interfaces with clients and consulting scientists.	
Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.	
Labor Category: Scientist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: 10 or more Yrs.
Position Description: This position provides mid-to upper level scientific expertise and task/project management related to marine and aquatic issues in chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level. Responsible for management of projects and supervision of other scientific personnel involved in their projects. Regularly interfaces with clients and consulting scientists.	
Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.	
Labor Category: Staff Scientist	
Education Required: B.A. or B.S. in Science or Engineering	Years of Service: 1-2 Yrs.
Position Description: This position provides low- to mid-level expertise and support to the project team related to marine and aquatic issues chemistry, biology, botany, geology, oceanography, limnology, engineering, and physics. Specific tasks may include fieldwork, data and statistical analysis, reporting, literature searches, assistance in preparation of EIR/EAs. This position is capable of independent work and will frequently supervise others in task completion.	
Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.	
Labor Category: Field Technician	
Education Required: B.A. or B.S. in Science or Engineering	Years of Service: 0-1 Yrs.
Position Description: The field technician is generally used to perform field-sampling work in support of the project team. This position is always under the direct supervision of a staff scientist or higher position.	
Special Training and/or Certification Requirements: SCUBA certification preferred; experience in scientific diving.	

Labor Category: Consulting Sr. Wildlife Biologist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: >10 Yrs.
Position Description: This position provides senior level expertise and task/project management to the project team related to terrestrial wildlife issues. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level.	
Special Training and/or Certification Requirements: None	
Labor Category: Consulting Wildlife Biologist	
Education Required: M.S. or PhD. in Science or Engineering	Years of Service: >5 Yrs.
Position Description: This position provides mid-level expertise to the project team related to terrestrial wildlife issues. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on a national, state, or local level.	
Special Training and/or Certification Requirements: None	
Labor Category: Consulting Sr. Fisheries Biologist	
Education Required: B.A. or B.S. in Science or Engineering	Years of Service: >10 Yrs.
Position Description: This position provides senior level expertise and task/project management to the project team related to fisheries issues. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on an international, national, state, and local level.	
Special Training and/or Certification Requirements: None	
Labor Category: Consulting Fisheries Biol.	
Education Required: B.A. or B.S. in Science or Engineering	Years of Service: >5 Yrs.
Position Description: This position provides mid-level expertise to the project team related to fisheries issues. Specific tasks may include project study design, fieldwork, data and statistical analysis, reporting, EIR/EA involvement and preparation, and regulatory guidance on a national, state, or local level.	
Special Training and/or Certification Requirements: None	
Labor Category: Office Manager	
Education Required: B.A. or B.S.	Years of Service: >10 Yrs. (2 Yrs. of related experience may credited for degree)
Position Description: Responsible for supervision of administrative staff, daily bookkeeping, payroll, oversee/facilitate company HR, general office purchasing. Assist Managing Principal in general management of the company. Provide supervision to other clerical/administrative staff.	
Special Training and/or Certification Requirements: Computer and word processing knowledge, computer based bookkeeping systems, accounting practices.	

Labor Category: Sr. Administrative Assistant	
Education Required: H.S. Diploma or B.A/B.S. (5 Yrs. of related experience may substitute for degree)	Years of Service: > 5 Yrs.
Position Description: Office clerical, secretarial, and admin functions including typing, filing, travel, invoicing, and administrative support of project teams. Responsible for monthly invoicing, accounts billable and receivable. Relevant tasks may include providing logistical support to field efforts, assistance with word processing of reports, and photocopy and distribution of work products.	
Special Training and/or Certification Requirements: Computer and word processing knowledge.	
Labor Category: Administrative Assistant	
Education Required: H.S. Diploma or B.A/B.S. (5 Yrs. of related experience may substitute for degree)	Years of Service: 0-1 Yrs.
Position Description: Office clerical, secretarial, and admin functions including typing, filing, reception, answering phones, assist in staff travel arrangements, and administrative support of project teams. Relevant tasks may include providing logistical support to field efforts, assistance with word processing of reports, and photocopy and distribution of work products. Works under the supervision of the Office manager or other administrative personnel	
Special Training and/or Certification Requirements: Computer and word processing knowledge.	

2. MAXIMUM ORDER*: **\$1,000,000**

* If the “best value” selection places your order offer the Maximum Order, identified in this catalog/price list, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contractor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the Schedule contract in accordance with FAR 8.404

MINIMUM ORDER: **\$100**

GEOGRAPHIC COVERAGE: **Domestic**

POINT(S) OF PRODUCITON: **N/A**

BASIC DISCOUNT: **3-4%**

QUANTITY DISCOUNT(S): **N/A**

PROMPT PAYMENT TERMS: **Net 30**

GOVERNMENT PURCHASE CARD ACCEPTED: Yes (excludes prompt payment discounts)

FOREIGN ITEMS: **None**

TIME OF DELIVERY AFTER RECEIPT OF ORDER (ARO):

Normal: **Varies per service performed**

Emergency: Shipment of Stock within ___ days ARO for in stock at time of order (N/A)

Expedited: **Items available for expedited delivery are noted in price list**

Overnight and 2-day Delivery

Urgent Requirement: **Clause 0-FSS-140-B of the contract applies. Agencies can contact contractor's representative to possibly affect faster delivery**

FOB POINT: ***Destination***

ORDERING ADDRESS: ***Same as Contractor***

PAYMENT ADDRESS: ***Same as Contractor***

WARRANTY PROVISION: ***Standard Commercial Warranty***

EXPORT PACKING CHARGES: ***N/A***

TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):
N/A

TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): ***N/A***

TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE-LISTS
AND ANY DISCOUNTS FROM LIST PRICES IF AVAILABLE): ***N/A***

TERMS AND CONDITIONS FOR ANY OTHER SERVICES: ***N/A***

LIST OF SERVICE AND DISTRIBUTION POINTS: ***N/A***

LIST OF PARTICIPATING DEALERS: ***N/A***

ENVIRONMENTAL ATTRIBUTES, e.g., RECYCLED CONTENT, ENERGY EFFICIENCY,
AND/OR REDUCED POLLUTANTS: ***Environmental Services***

DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER: ***622416865***

NOTIFICATION REGARDING REGISTRATION IN CENTRAL CONTRACTOR REGISTRATION
(CCR) DATABASE: ***Applied Marine Sciences, Inc. (AMS) is registered in the Central Contractor
Registration (CCR) database.***
