

**STATEMENT OF WORK FOR STUDENT SERVICES CONTRACT
RFQ-RT-09-00168**

1. Project Description

The National Health and Environmental Effects Research Laboratory (NHEERL) is participating in collaborative research with the National Exposure Research Laboratory (NERL) to investigate pyrethroid insecticides and relevant metabolic/degradation products in food. The results of this work will provide information on the concentration and fate of the pesticides in a variety of food matrices. The focus of the NHEERL portion of the work is to develop and apply chemical methods to extract, clean-up and analyze both parent and metabolic/degradation products. The methods will use techniques such as Automated Solvent Extraction, Vortex partition, Soxhlet Extraction, Solid Phase Clean-up, and Gel Permeation Chromatography. Samples will be analyzed by High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

2. Description of Student Services

The student/recent graduate contractors will work within a multi-disciplinary research team, and will be directly mentored by Dr. Denise MacMillan, Team Leader of the Analytical Chemistry Core, NHEERL. The student/recent graduate will provide technical support for research focusing on the development of methods for extraction and analysis of pyrethroid pesticides and other relevant compounds. The specific duties tasks include, but are not limited to:

- General laboratory maintenance including cleaning and waste disposal
- Logistical maintenance and tracking of solvents and other consumable items
- Routine maintenance and troubleshooting of laboratory instrumentation
- Preparation of reagents and standards
- Directed development of methods for relevant analytes
- Directed sample preparation including extraction and clean-up
- Conducting literature/internet searches and reviewing scientific literature.
- The collection, processing, and compiling of data or other information into databases/spreadsheets using a variety of Windows-based software (e.g., Microsoft Excel/Word/Access, WordPerfect, EndNote, etc.)
- Conducting descriptive statistical analyses (eg., mean, median, standard deviation) of data
- Participation in collaborative activities including handling and preparation of food matrices for determination of pyrethroid insecticides and metabolites at NHEERL and NERL.

The student/recent graduate contractors shall perform tasks related to one or more of these areas in support of the investigation of exposure to pyrethroids and metabolites. The student/recent graduate will perform duties, as requested, according to specifications and instructions provided by their mentor. Where appropriate, the student/recent graduate contractors will maintain careful and accurate records in designated laboratory notebooks. These notebooks, and all other data produced under this order, will be the property of EPA.

Required Expertise, Skills, Education and/or Experience:

Student/recent graduates eligible for student services contracts will have graduated from a college, or university within 24 months of the closing date of the contract announcement or currently be a student in good standing enrolled in a graduate degree program at a recognized educational institution.

To fulfill the minimum education requirement for this position, students/recent graduates need to complete no more than one semester of coursework to graduate (BS/BA) from a college or university program majoring in biology, chemistry, environmental science, or a related field at an accredited college/university.

The students/recent graduate should have demonstrated experience with the following laboratory techniques:

Extraction of analytes from environmental or biological matrices

- Measurement using analytical balance
- Common sample preparation techniques to include liquid/liquid partitioning, solid phase clean-up, and sample reduction via evaporation
- Preparation of analytical standards
- Quantitative dilution of stock solutions

Additional consideration will be given to candidates with demonstrable training/experience in accelerated solvent extraction and high performance liquid chromatography.

4. Required Background Investigation and Suitability Determination:

Student contractors under this contract may be required to undergo a background check and check of FBI fingerprint files and a suitability determination by the Environmental Protection Agency. If a background check reveals information to indicate the student represents a risk to the interests of EPA and the national security, the contract may be terminated.

5. Description of Working Conditions

Work will be performed in a laboratory environment, primarily working with automated systems, to extract and prepare dilute concentrations of pesticides and relevant metabolic/degradation compounds. The student/recent graduate contractor graduate may enter the building only during business hours or when a project member is present.

The student contractor will be governed by the USEPA quality system, as described in the approved quality management plan for the organization where the student contractor is working. Approved quality management plans are in full compliance with the USEPA's quality system requirements as expressed in these two documents:

Policy and Program Requirements for the Mandatory Agency-wide Quality System, EPA Order 5360.1 A2, May 2000

EPA Quality Manual for Environmental Programs, EPA Order 5360 A1, May 2000

Work performed by the student contractor in a laboratory setting must be in compliance with the above referenced quality management plan. The Mentor is responsible for ensuring this compliance.

6. Duration and Compensation:

The beginning date for one position is approximately June 2009. The beginning date for the second position is approximately July 2009. The initial contracts will be for one year with an option for an additional 12 months. The contracts are for 2 full time (40 hours/week) student contractors. The rate of compensation for this position includes the cost of self-employment taxes for social security and Medicare. The student contractor/recent graduate will be paid on an hourly basis with the wage dependent on their education. (\$21.31/hour with BS/BA). Preference will be given to candidates who are available for full time work (approximately 40 hrs/week) for an estimated total of 1928 hours of effort.

7. **Taxes:**

The student is responsible for paying all Federal, State or local income taxes required as a result of income received under this order.

Attachment to Work Statement
Agency Personal Verification Procedures
for Contractor Personnel
October 2006

Background: Homeland Security Presidential Directive 12 (HSPD-12), signed on August 27, 2004, requires a Government-wide, common identification standard for all Federal and contractor employees requiring physical access to Federally controlled facilities and/or logical access to Federally controlled information systems. The goals of HSPD-12 are to enhance safety and security, increase Government efficiency, reduce identity fraud, and protect personal privacy.

HSPD-12 requires that the common identification be: (a) issued based on sound criteria for verifying an individual employee's identity; (b) strongly resistant to identity fraud, tampering, counterfeiting, and terrorist exploitation; (c) rapidly authenticated electronically; and (d) issued by providers whose reliability has been established by an official accreditation process.

HSPD-12 and its common identification standard require personal identity verification (PIV), background investigations, and suitability determinations for all affected contractor and subcontractor personnel. In accordance with FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel, contractors and subcontractors must comply with EPA's master plan for implementing HSPD-12.

a) Contractor Requirements for Personal Identity Verification of Contractor Personnel (including subcontractors)

Contractor Employees Requiring Access to EPA facilities or EPA Information Systems for at Least 24 Hours a Week for at Least 6 Months: All individual contractor employees whose work under the contract requires on-site access to an EPA controlled facility or logical access to an EPA information system for at least 24 hours a week for at least 6 months a year, will be required to undergo a background investigation in order to receive an EPA Personnel Access and Security System (EPASS) badge.

To begin the PIV process, the contractor should submit to the Contracting Officer Representative (COR) within ten (10) days of contract award or contract modification with this Attachment to Work Statement "Agency Personal Verification Procedures for Contractor Personnel," the following information in electronic format via secure means using the HSPD-12 Contractor Template found at <http://epa.gov.oam/>. The template was developed to assist in the transmission of the required contractor employee information in a uniform format. The template also contains drop down menus when entering data in various data cells. Specifically, the 8 data elements, Employee Type, Program Office, Work City and State, Birth State, Birth Country, Citizenship, Previous Investigation and Investigative Agency, contain drop down menus.

- Contract number;
- Contract expiration date;
- Name, address, and phone number of the Contractor Program Manager point of contact;
- Name, date of birth, place of birth (city, state, country), and Social Security Number for all

contractor employees identified above. (NOTE: This information must be protected at all times, including during transmission, according to the requirements of the Privacy Act of 1974; see <http://www.epa.gov/privacy/>);

- Employee Type, Position, Email address, Program Office, Work City and State,
- An indication of which contractor employees are foreign nationals;
- Name of each contractor employee claiming to have a previous, favorably adjudicated Federal background investigation on record, and the name of the Federal Agency that required the investigation, and the completion date.

The contract-level COR will upload this information to the Office of Administrative Services Information System (OASIS) personnel security database.

After submission of the preliminary information, the contractor will be notified by the contract-level COR or PSB when to begin providing all information on Standard Form (SF) 85P, Questionnaire for Public Trust Positions, and submit the form electronically to PSB via the Office of Personnel Management's (OPM's) Electronic Questionnaires for Investigations Processing (e-QIP) system. Instructions for using e-QIP, filling out, and submitting the SF 85P on-line, can be found at <http://www.opm.gov/e-qip/reference.asp>. As part of the investigative and EPASS badging processes, contractor employees must be fingerprinted, photographed and provide two forms of identification, at a time and location specified by the COR. These fingerprints will be sent to the Federal Bureau of Investigation (FBI) for processing.

Contractor employees with a favorably adjudicated Federal background investigation at the National Agency Check and Inquiries (NACI) level or above, completed within the past 5 years and verified by EPA, do not require an additional investigation unless one is requested by the Contracting Officer (CO) or contract-level Contracting Officer Representative (COR). These employees must still be fingerprinted at a time and location specified by the COR.

In order to prevent any interruption of contractor services pending the completion of the OPM background investigation, the Office of Administrative Services (OAS) Security Management Division (SMD) has procedures in place to issue temporary or provisional badges.

When reporting in person, as directed by the contract-level COR, contractor employees must provide two forms of original identity source documents from the lists on Form I-9, OMB No.1615-0047, Employment Eligibility Verification (available at <http://www.uscis.gov/graphics/formsfee/forms/files/i-9.pdf>). At least one document shall be a valid State or Federal Government-issued picture identification.

Contractor Employees Requiring EPA Access for Less than 24 Hours a Week for 6 Months: These contractor employees may be subject to the above requirements, and may have limited and controlled access to facilities and information systems.

Foreign National Contractor Employees: To be eligible to work on-site at an EPA controlled facility or to access EPA information systems, a foreign national contractor employee must have been admitted to the U.S. on an Immigrant Visa or a Non-Immigrant Work Authorization Visa. Foreign nationals requiring access to an EPA controlled facility or EPA information system for at least 24 hours a week for at least 6 months a year must meet the above requirements for an EPASS badge, and in addition:

- In the "Continuation Space" on the SF 85P, provide the visa number, issuance location, and

issuance date for the visa used for entry to the U.S;

- When presenting two identification source documents, as described above, provide at least one from List A on Form 1-9.

When determining a foreign national contractor employee's eligibility for an EPASS badge, EPA will consider the type of visa presented (immigrant vs. non-immigrant) and the reciprocity agreement between the U.S. and the individual's country of origin. These considerations are in addition to the "red flag" issues listed below.

Screening of the SF 85P: Information contained on the SF 85P may demonstrate that a contractor employee is not suitable to be given access to EPA facilities or information systems. PSB will screen information entered on the SF 85P prior to OPM initiating the background investigation. For individuals with admitted, derogatory information, issuance of an EPASS badge may be delayed pending further EPA review. Contractors are responsible for providing qualified personnel in accordance with requirements stated elsewhere in this contract. Contractors will only be notified by the COR if any contractor employee is found unsuitable to perform as a result of a background investigation, and must be immediately replaced by the contractor. The following are possible "red flags":

- Employment - Having been fired from a previous job, or having left under unfavorable circumstances within the past 7 years (Question 12 on the SF 85P);
- Selective Service - Failure to register with the Selective Service System; this applies to male applicants born after December 31, 1959 (Question 17 on the SF 85P);
- Police Records - Within the past 7 years, any arrest, charge, or conviction that has been upheld for violent or dangerous behavior or a pattern of arrests that demonstrates disregard for the law (Question 20 on the SF 85P);
- Illegal Drugs - Illegal use within the previous year, or drug manufacture or other involvement for profit within the past 7 years (Question 21 on the SF 85P).

b) Returning Badges

The contractor is responsible for ensuring that all badges are returned to the COR at the conclusion of the contract or when contractor on-site services are no longer required, or when an individual contractor employee leaves.

c) Subcontracts

These requirements must be incorporated into all subcontracts wherein employees' work under the subcontract requires physical access to an EPA controlled facility or logical access to an EPA information system for 6 months or longer.

d) Appeals

Contractors have the right to appeal, in writing to the COR, a determination to deny or revoke a badge. If the COR believes an appeal is justified, he/she will forward it to:

U.S. Environmental Protection Agency
Personnel Security Branch (Mail Code 3206M)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

PSB's decision on behalf of the Agency will be final and not subject to further appeal.

e) Definitions

- "EPA Information System" means an information system [44 U.S.C. 3502(8)] used or operated

by EPA, or a contractor of EPA or other organization on behalf of the Agency.

- “EPA Controlled Facilities” means:
 - EPA or Federally-owned buildings or leased space, whether for single or multi-tenant occupancy, and its grounds and approaches, all or any portion of which are under the jurisdiction, custody or control of the Agency;
 - EPA or Federally controlled commercial space shared with non-government tenants. For example, if a department or agency leased the 10th floor of a commercial building, the Directive applies to the 10th floor only;
 - Government-owned contractor-operated facilities, including laboratories;
 - The term does not apply to educational institutions that conduct activities on behalf of departments or the agency or at which Federal Employees are hosted unless specifically designated as such by the sponsoring department or agency.

- “Foreign National” means an individual who is not a United States citizen.