

## **REQUEST FOR QUOTATIONS (RFQ)**

Issuance Date: February 24, 2023

Deadline for Quotes: March 7, 2023

#### Description: Pest control Service and collection of garbage

| For:              | Global Health Supply Chain Program (GHSC) – Procurement and Supply Management (PSM) in Haiti.   |
|-------------------|---|
| Funded By:        | United States Agency for International Development (USAID),<br>Contract No. AID-OAA-I-15-00004; Task Oder No. AID-OAA-TO-15-<br>00007, AID-OAA-TO-15-000010 and AID-OAA-TO-16-00018 |
| Implemented By:   | Chemonics Foundation Haiti.   |
| Point of Contact: | PSMHaiticontract@ghsc-psm.org.  |

#### \*\*\*\*\* ETHICAL AND BUSINESS CONDUCT REQUIREMENTS \*\*\*\*\*

Chemonics is committed to integrity in procurement, and only selects suppliers based on objective business criteria such as price and technical merit. Chemonics expects suppliers to comply with our Standards of Business Conduct, available at <a href="https://www.chemonics.com/our-approach/standards-business-conduct/">https://www.chemonics.com/our-approach/standards-business-conduct/</a>.

Chemonics does not tolerate fraud, collusion among offerors, falsified proposals/bids, bribery, or kickbacks. Any firm or individual violating these standards will be disqualified from this procurement, barred from future procurement opportunities, and may be reported to both USAID and the Office of the Inspector General.

Employees and agents of Chemonics are strictly prohibited from asking for or accepting any money, fee, commission, credit, gift, gratuity, object of value or compensation from current or potential vendors or suppliers in exchange for or as a reward for business. Employees and agents engaging in this conduct are subject to termination and will be reported to USAID and the Office of the Inspector General. In addition, Chemonics will inform USAID and the Office of the Inspector General of any supplier offers of money, fee, commission, credit, gift, gratuity, object of value, or compensation to obtain business.

Offerors responding to this RFQ must include the following as part of the proposal submission:

- Disclose any close, familial, or financial relationships with Chemonics or project staff. For example, if an offeror's cousin is employed by the project, the offeror must state this.
- Disclose any family or financial relationship with other offerors submitting proposals. For example, if the offeror's father owns a company that is submitting another proposal, the offeror must state this.
- Certify that the prices in the offer have been arrived at independently, without any consultation, communication, or agreement with any other offeror or competitor for the purpose of restricting competition.
- Certify that all information in the proposal and all supporting documentation are authentic and accurate.
- Certify understanding and agreement to Chemonics' prohibitions against fraud, bribery and kickbacks.

Please contact **Florence Duperval Guillaume** <u>fdguillaume@ghsc-psm.org</u> with any questions or concerns regarding the above information or to report any potential violations. Potential violations may also be reported directly to <u>BusinessConduct@chemonics.com</u> or by phone/Skype at 888.955.6881.

#### Section 1: Instructions to Offerors

1. <u>Introduction</u>: The purpose of the Global Health Supply Chain - Procurement and Supply Management (GHSC- PSM) single award IDIQ contract is to ensure uninterrupted supplies of health commodities to prevent suffering, save lives, and create a brighter future for families around the world. In Haiti, the IDIQ has three task orders that directly support the Presidential Emergency Plan for AIDS Relief (PEPFAR) USAID's population and reproductive health program and USAID's Maternal and Child Care program. We are providing health commodity procurement services and systems strengthening technical assistance that encompass all elements of a comprehensive supply chain. As part of project activities, the GHSC-PSM requires Pest control services and garbage collection for its administrative offices and 6,000m<sup>2</sup> pharmaceutical warehouse. The purpose of this RFQ is to solicit quotations for this service.

Offerors are responsible for ensuring that their offers are received by Chemonics in accordance with the instructions, terms, and conditions described in this RFQ Failure to adhere with instructions described in this RFQ may lead to disqualification of an offer from consideration

**Offer Deadline and Protocol**: Offers must be received no later than **4:00 PM** local Eastern time **On March 7, 2023,** by email to <u>PSMHaiticontract@ghsc-psm.org</u>.

Please reference the RFQ number in any response to this RFQ. Offers received after the specified time and date will be considered late and will be considered only at the discretion of Chemonics.

2. <u>Mandatory site visit and questions</u>: A site visit is mandatory and is scheduled at the project warehouse located at Airport Industrial Park Fleuriot, Warehouse # 118, on <u>March 1st, 2023</u>, at 10:00 AM. Questions will be answered during the site visit. However, any additional questions regarding the technical or administrative requirements of this RFQ may be submitted no later than 4:00 pm local Eastern time on <u>March 2nd, 2023</u> by email to <u>PSMHaiticontract@ghsc-psm.org.</u> Questions must be submitted in writing; phone calls will not be accepted. Questions and requests for clarification—and the responses thereto—that Chemonics believes may be of interest to other offerors will be circulated to all RFQ recipients who have indicated an interest in bidding.

Only the written answers issued by Chemonics will be considered official and carry weight in the RFQ process and subsequent evaluation. Any verbal information received from employees of Chemonics, or any other entity should not be considered as an official response to any questions regarding this RFQ.

# 3. <u>Specifications:</u> Please see the detailed Scope of Work for the required services in Annex 1 below.

4. <u>Quotations</u>: Quotations in response to this RFQ must be priced on a fixed-price, all-inclusive basis. Prices may be presented in **Gourdes or USD**. Prices must be inclusive of all costs (including worker's compensation insurance mandated by U.S. Defense Base Act (DBA insurance). Offers must remain valid for not less than **ninety (90) calendar days** after the offer deadline. Offerors are requested to provide quotations on their official quotation format or letterhead; in the event this is not possible, offerors may complete the table in Section 3.

The offer must be presented in two sections: a technical section and a financial section:

1- The technical section should detail the activities that the company will undertake to provide the desired services and show the experiences of the company and the staff who will conduct the Pest control services & garbage collection activities. This section should also include a proposed calendar of services which will require a strict services schedule.

- 2- The financial section should include an official quotation giving a) fixed prices for each of those services on a monthly basis.
  - 5. <u>Delivery</u>: The delivery location for the services described in this RFQ is Airport Industrial Park Fleuriot, warehouse 118 &119.

#### 6. Source and Authorized Geographic Code:

a) All services offered in response to this RFQ or supplied under any resulting award must meet **USAID Geographic Code 935** in accordance with the United States Code of Federal Regulations (CFR), <u>22 CFR §228</u>. The cooperating country for this RFQ is Haiti.

Offerors may <u>not</u> offer or supply services or any commodities that are manufactured or assembled in, shipped from, transported through, or otherwise involving any of the following countries: Cuba, Iran, North Korea, Syria.

Any and all items that are made by Huawei Technology Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, Dahua Technology Company will not be accepted. If quotes include items from these entities please note that they will be deemed not technically responsive and excluded from competition.

- b) The USG has implemented a blanket prohibition on providing direct government financing to international solar projects that source from suppliers that are the subject of a <u>withhold</u> release order (Hoshine Silicon Industry), on the Commerce Entity List, or otherwise sanctioned for their use of forced labor. The PRC energy companies that were added to the Commerce Entity List for their ties to forced labor are found below. NOTE: Offerors may not purchase from any of the Suppliers listed below without advance written approval from Chemonics/USAID.
  - Hoshine Silicon Industry (metallurgical grade silicon and silicon products) also subject to a WRO
  - Xinjiang Daqo New Energy (polysilicon, wafers)
  - Xinjiang East Hope Nonferrous Metals (polysilicon, ingots, wafers)
  - Xinjiang GCL-New Energy Material (polysilicon, ingots, wafers, cells, modules)
  - Xinjiang Production and Construction Corps (state-owned paramilitary organization, electricity supplier)

This does not mean that all PRC-produced solar panels are immediately blocked. Currently, the restriction is just on any panels or products that are directly purchased using USG funds from any of those above companies. Should the purchase of any solar panels or components be required, Chemonics/USAID prior review and written approval is required.

7. <u>Taxes and VAT</u>: The USAID funded project under which this procurement is financed does not permit the financing of any taxes, TCA, tariffs, duties, or other levies imposed by any laws in effect in the Cooperating Country, and in accordance with the bilateral agreement between the Government of the United States and the Government of Haiti, <u>Chemonics will submit the subsequent subcontract for exemption by the Cooperating Country government.</u> Therefore, Offerors are requested to submit quotations with any taxes, TCA, tariffs, duties, or other levies imposed by the laws in effect in the Cooperating Country(ies) clearly identified separately from the offered price so that we may see the appropriate exemption.

Any resultant subcontract shall be priced as free and exempt from any taxes, TCA, tarifs, duties, or other levies imposed by the laws in effect in the Cooperating Country(ies). The Offeror shall not charge any host country taxes, TCA, tariffs, duties, levies, etc. from which this USAID

program is exempt. In the event that any exempt charges are paid by the Subcontractor, they will not be reimbursed to the Subcontractor by Chemonics unless approved in advance in writing by Chemonics. The Subcontractor shall immediately notify Chemonics if any such exempt taxes are assessed against the Subcontractor or its subcontractors/Subcontractors at any tier.

Under any resultant subcontract, the Subcontractor shall be responsible for payment of all applicable taxes, as prescribed under the applicable laws, associated with wages/salaries/compensation for services rendered by individuals employed by the Subcontractor and who are directed to work as required under this Subcontract. The Subcontractor is liable for payment of all applicable taxes associated with revenues (profit), and other such taxes, fees, or dues for which the Subcontractor is normally responsible as a result of operating its business.

- 8. <u>UEI Number:</u> Companies or organizations, whether for-profit or non-profit, shall be requested to provide a Unique Entity Identifier (UEI) number if selected to receive an award in response to this RFQ valued greater than or equal to USD\$30,000 (or equivalent in other currency). If the Offeror does not have a UEI number and is unable to obtain one before the submission deadline, Offeror shall include a statement noting their intention to obtain a UEI number should it be selected as the successful offeror or explaining why registration for a UEI number is not possible. Contact sam.gov to obtain a number. Further guidance on obtaining a UEI number is available from Chemonics upon request.
- 9. <u>Eligibility</u>: By submitting an offer in response to this RFQ, the offeror certifies that it and its principal officers are not debarred, suspended, or otherwise considered ineligible for an award by the U.S. Government. Chemonics will not award a contract to any firm that is debarred, suspended, or considered to be ineligible by the U.S. Government.

**Evaluation and Basis for Award**: The award will be made to a responsible offeror whose offer follows the RFQ instructions, meets the eligibility requirements and is determined via a trade-off analysis to be the best value based on application of the following evaluation criteria. Points will not be awarded for cost which will be primarily evaluated for realism and reasonableness. For overall evaluation purposes of this RFQ, technical evaluation factors other than cost, when combined, are considered significantly more important than cost factors. If technical scores are determined to be equal or nearly equal, cost will become the determining factor. The relative importance of each individual criterion is indicated by the number of points is described below:

- Technical Know How 35 points: Chemonics will assess whether the proposal responds to the objectives of the project as stated in the Scope of Work. Does the provider understand the parts and materials needed to conduct the Pest control services and garbage collection. The provider should describe its approach for helping develop pest prevention measures, identifying pests of concern, selecting least toxic pesticides, executing pest control work, in as much detail as necessary, for a successful outcome. The methodology and technical solution shall meet recognized industry standards and include an outline of the provider's approach to Quality Control. The provider shall include a complete check list for the services required. In order to eradicate possible insects, rodents and other pests that could affect the proper functioning of the warehouse (termites, rats, etc...), the question of time is extremely important. Therefore, special attention will be given to offers that provide a timetable and a work plan for a good Integrated Pest Management.
- **Corporate Capabilities 20 points**: Chemonics will evaluate whether the company has experience relevant to the project Scope of Work. A minimum of 5 years of proven

experience in Pest control services and garbage collection. The company must indicate what equipment and materials they possess to allow them to provide these services (garbage trucks, pickup trucks, sprayers, personal protective equipment for staff, etc...).

- **Personnel Qualifications 15 points**: Chemonics will evaluate the curriculum vitae (CV) of the proposed technicians and evaluate if the offeror has the experience and capabilities to carry out the Scope of Work as required in the SOW.
- The technician in charge of these services must have at least 5 years of experience in the management and execution of pest management activities such as application of pesticides. Education or certification in chemistry or pest management preferred. To prove experience, a CV and any diplomas or certifications must be submitted.
- Past Performance 30 points: Offerors must include past performance references of similar work (under contracts or subcontracts) previously implemented as well as contact information for the companies for which such work was completed. Contact information must include at a minimum: the name of the point of contact who can speak to the offeror's performance, name, and address of the company for which the work was performed, and email and phone number of five (5) points of contact.

Best-offer quotations are requested. It is anticipated that award will be made solely on the basis of these original quotations. However, Chemonics reserves the right to conduct any of the following:

- Chemonics may conduct negotiations with and/or request clarifications from any offeror prior to award.
- While preference will be given to offerors who can address the full technical requirements of this RFQ, Chemonics may issue a partial award or split the award among various suppliers, if in the best interest of the GHSC-PSM Project.
- Chemonics may cancel this RFQ at any time.
- Chemonics may reject any and all offers, if such action is considered to be in the best interest of Chemonics.

Please note that in submitting a response to this RFQ, the offeror understands that USAID is not a party to this solicitation and the offeror agrees that any protest hereunder must be presented—in writing with full explanations—to the Chemonics/GHSC-PSM Project for consideration, as USAID will not consider protests regarding procurements carried out by implementing partners. Chemonics, at its sole discretion, will make a final decision on the protest for this procurement.

10. <u>Terms and Conditions</u>: This is a Request for Quotations only. Issuance of this RFQ does not in any way obligate Chemonics, the GHSC-PSM Project, or USAID to make an award or pay for costs incurred by potential offerors in the preparation and submission of an offer.

This solicitation is subject to Chemonics' standard terms and conditions. Any resultant award will be governed by these terms and conditions; a copy of the full terms and conditions is available upon request. Please note the following terms and conditions will apply:

- (a) Chemonics' standard payment terms are net 30 days after receipt and acceptance of any commodities or deliverables. Payment will only be issued to the entity submitting the offer in response to this RFQ and identified in the resulting award; payment will not be issued to a third party.
- (b) Any award resulting from this RFQ will be firm fixed price, in the form of a fixed price service agreement.
- (c) No services or commodities may be supplied that are manufactured or assembled in, shipped from, transported through, or otherwise involving any of the following countries: Cuba, Iran, North Korea, Syria.
- (d) Any international air or ocean transportation or shipping carried out under any award resulting from this RFQ must take place on U.S.-flag carriers/vessels.

- (e) United States law prohibits transactions with, and the provision of resources and support to, individuals and organizations associated with terrorism. The Vendor under any award resulting from this RFQ must ensure compliance with these laws.
- (f) The title to any goods supplied under any award resulting from this RFQ shall pass to Chemonics following delivery and acceptance of the goods by Chemonics. Risk of loss, injury, or destruction of the goods shall be borne by the offeror until title passes to Chemonics.

#### h) DEFENSE BASE ACT (DBA) INSURANCE

a) FAR 52.228-3 WORKER'S COMPENSATION INSURANCE (DEFENSE BASE ACT INSURANCE) (Jul 2014) [Updated by AAPD 22-01- 6-10-22]

The Subcontractor shall (a) provide, before commencing performance under this Subcontract, such workers' compensation or security as the Defense Base Act (DBA) (42 U.S.C. 1651, et seq.) requires and (b) continue to maintain it until performance is completed. The Subcontractor shall insert, in all lower-tier subcontracts authorized by Chemonics under this Subcontract to which the Defense Base Act applies, a clause similar to this clause imposing upon those lower-tier subcontractors this requirement to comply with the Defense Base Act. DBA insurance provides critical protection and limits on liability. The Subcontractor shall provide a proof of DBA insurance coverage to Chemonics upon request. Chemonics will verify coverage for, at least, projects in high-risk environments and where Chemonics may be providing security.

(b) AIDAR 752.228-3 WORKERS' COMPENSATION (DEFENSE BASE ACT) [Updated by AAPD 22-01- 6-10-22] As prescribed in AIDAR 728.308, the following supplemental coverage is to be added to the clause specified in FAR 52.228-3.

(1) The Subcontractor agrees to procure DBA insurance pursuant to the terms of the contract between USAID and USAID's DBA insurance carrier unless the Subcontractor has a DBA self-insurance program approved by the U.S. Department of Labor or has an approved retrospective rating agreement for DBA.

(2) If USAID or Subcontractor has secured a waiver of DBA coverage (See AIDAR 728.305-70(a)) for Subcontractor's employees who are not citizens of, residents of, or hired in the United States, the Subcontractor agrees to provide such employees with worker's compensation benefits as required by the laws of the country in which the employees are working, or by the laws of the employee's native country, whichever offers greater benefits.

(3) The Subcontractor further agrees to insert in all lower-tier subcontracts hereunder to which the DBA is applicable a clause similar to this clause, including the sentence, imposing on all lower-tier subcontractors authorized by Chemonics a like requirement to provide overseas workmen's compensation insurance coverage and obtain DBA coverage under the USAID requirements contract.

(4) Contractors must apply for coverage directly to Starr Indemnity & Liability Company through its agent, Marsh McLennan Agency (MMA), using any of the following methods:

1. **Website.** There is a website with the option to print a PDF application form and submit it or complete an online application. The link to the website is: <u>https://www.starr.com/Insurance/Casualty/Defense-Base-Act/USAID---Defense-Base-Act</u>

2. Email. An application form can be emailed to: USAID@marshmma.com

3. Additional Contacts. Contacts for Starr Indemnity & Liability Company and its agent, Marsh MMA are available for guidance and question regarding the required application form and submission requirements:

- Tyler Hlawati (Starr) tyler.hlawati@Starrcompanies.com Telephone: 646-227-6556
- Bryan Cessna (Starr) bryan.cessna@starrcompanies.com Telephone: 302-249-6780
- Mike Dower (Marsh MMA) mike.dower@marshmma.com Telephone: 703-813-6513
- Diane Proctor (Marsh MMA) diane.proctor@marshmma.com Telephone: 703-813-6506

For instructions on the required application form and submission requirements, please refer to <u>AAPD</u> <u>22-01</u>. Pursuant to AIDAR 752.228-70, medical evacuation is a separate insurance requirement for overseas performance of USAID funded subcontracts; the Defense Base Act insurance does not provide coverage for medical evacuation. The costs of DBA insurance are allowable and reimbursable as a direct cost to this Subcontract.

Before starting work, the offeror must provide Chemonics with a copy of the DBA coverage policy that covers each of its employees.

#### Section 2: Offer Checklist

To assist offerors in preparation of the quote, the following checklist summarizes the documentation to include an offer in response to this RFQ:

- □ Cover letter, signed by an authorized representative of the offeror (see Section 4 for template)
- □ Official quotation (see Section 3 for quotation example format)

 $\square$  Copy of offeror's valid registration or business license or Patent (see Section 1.5 for more details).

□ Submission of the CVs of at least one technician with training and experience in executing pest control in Haiti. Education in chemistry or pest management preferred.

□ Federal Funding Accountability and Transparency Act (FFATA) Subaward Reporting Questionnaire, signed by an authorized representative of the offeror (see Section 5 for questionnaire). This form shall be completed only if the value is over \$30,000

## Section 3: Sample Quotation

Offerors are requested to provide quotations containing the information below on official letterhead or official quotation format. In the event this is not possible, offerors may complete this Section 3 and submit a signed/stamped version to Chemonics.

# Pest Control services and garbage collection at Chemonics office located at Airport Industrial Park of Fleuriot.

| Lin<br>e | Description and Specifications  | Number of<br>Intervention | Unit Price | Total price |
|----------|---|---------------------------|------------|-------------|
| 1        | Collect garbage in the GHSC-PSM<br>warehouse from April 2023 to October2024                 |                           |            |             |
| 2        | Collect garbage in the GHSC-PSM<br>administrative office from April 2023 to<br>October 2024 |                           |            |             |
| 3        | Pest control in the GHSC-PSM <b>warehouse</b> from April 2023 to October 2024               |                           |            |             |
| 4        | Pest control in the GHSC-PSM <b>administrative office</b><br>from April 2023 to October2024 |                           |            |             |
| 5        | Pickup of damaged pallets from April 2023 to October 2024                                   |                           |            |             |
| Subt     | otal:   |                           |            |             |
| Othe     | r Costs (Describe:):  |                           |            |             |
| GRA      | ND TOTAL USD:   |                           |            |             |

#### Section 4: Offer Cover Letter

The following cover letter must be placed on letterhead and completed/signed/stamped by a representative authorized to sign on behalf of the offeror:

To: USAID Global Health Supply Chain Program – Procurement and Supply Management Project (GHSC-PSM) Airport Industrial Park Fleuriot, Warehouse #119, Port-au-Prince, Haiti

Reference : RFQ No. PSM-OPS-2331

To Whom It May Concern:

We, the undersigned, hereby provide the attached offer to perform all work required to complete the activities and requirements as described in the above-referenced RFQ. Please find our offer attached.

We hereby acknowledge and agree to all terms, conditions, special provisions, and instructions included in the above-referenced RFQ. We further certify that the below-named firm—as well as the firm's principal officers, and all commodities and services offered in response to this RFQ—are eligible to participate in this procurement under the terms of this solicitation and under USAID regulations.

Furthermore, we hereby certify that, to the best of our knowledge and belief:

- We have no close, familial, or financial relationships with any Chemonics or GHSC-PSM project staff members;
- We have no close, familial, or financial relationships with any other offerors submitting quotes in response to the above-referenced RFQ; and
- The prices in our offer have been arrived at independently, without any consultation, communication, or agreement with any other offeror or competitor for the purpose of restricting competition.
- All information in our quote and all supporting documentation is authentic and accurate.
- We understand and agree to Chemonics' prohibitions against fraud, bribery, and kickbacks.

We hereby certify that the enclosed representations, certifications, and other statements are accurate, current, and complete.

| Authorized Signature:                       |
|---|
| Name and Title of Signatory:                |
| Date:                                       |
| Company Name:                               |
| Company Address:                            |
| Company Telephone and Website:              |
| Company Registration or Taxpayer ID Number: |

| Company UEI Number:                                       |
|---|
| Does the company have an active bank account (Yes/No)?    |
| Official name associated with bank account (for payment): |

#### Section 5: Federal Funding Accountability and Transparency Act (FFATA) Subaward Reporting Questionnaire

If the offeror is selected for an award valued at \$30,000 or above and is not exempted based on a negative response to Section 3(a) below, any first-tier subaward to the organization may be reported and made public through FSRS.gov in accordance with The Transparency Acts of 2006 and 2008. Therefore, in accordance with FAR 52.240-10 and 2CFR Part170, if the offeror positively certifies below in Sections 3.a and 3.b and negatively certifies in Sections 3.c and 3.d, the offeror will be required to disclose to Chemonics for reporting in accordance with the regulations, the names and total compensation of the organization's five most highly compensated executives. By submitting this quotation, the offeror agrees to comply with this requirement as applicable if selected for a subaward.

In accordance with those Acts and to determine applicable reporting requirements, Company Name certifies as follows:

a) In the previous tax year, was your company's gross income from all sources above \$300,000?

| ` | Yes |  | No |
|---|-----|--|----|
|---|-----|--|----|

b) In your business or organization's preceding completed fiscal year, did your business or organization (the legal entity to which the UEI number belongs) receive (1) 80 percent or more of its annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements; and (2) \$25,000,000 or more in annual gross revenues from U.S. federal contracts, loans, grants, subgrants, and/or cooperative agreements?:

🗌 Yes 🗌 No

c) Does the public have access to information about the compensation of the executives in your business or organization (the legal entity to which the UEI number it provided belongs) through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986? (FFATA § 2(b)(1)):

Yes No

d) Does your business or organization maintain an active registration in the System for Award Management (<u>www.SAM.gov</u>)?

Yes No

I hereby certify that the above statements are true and accurate, to the best of my knowledge.

Authorized Signature:

Name and Title of Signatory:

Date : \_\_\_\_\_

#### Annex 1-Termes of Reference

#### **TERMES DE REFERENCE**

## SERVICES DE COLLECTE ET D'ÉLIMINATION DES DÉCHETS

#### ET DE GESTION DE NUISIBLES (PEST CONTROL)

Le projet « Programme mondial de la Chaine d'Approvisionnement de la Santé – Gestion des Achats et Approvisionnement » (GHSC-PSM) de l'USAID en Haïti a été mis en place par le gouvernement Américain en vue de soutenir les efforts du gouvernement Haïtien précisément dans la lutte contre le VIH. L'objectif est d'assurer des approvisionnements ininterrompus en produits de santé, a l'appui des initiatives de santé publique financées par le gouvernement des Etats-Unis. Le projet fournit un soutien direct en matière d'approvisionnement et de gestion de la chaine d'approvisionnement au Plan d'urgence Présidentiel pour la lutte contre le sida (PEPFAR) et aux programmes de Santé de la Reproduction et Population et de Santé Maternelle et Infantile.

GHSC-PSM Haïti soutient les stratégies et les priorités nationales qui relèvent des trois objectifs suivants :

- Achats et logistique de produits de santé
- Renforcement des systèmes d'assistance technique et
- Collaboration mondiale et locale pour améliorer la disponibilité à long terme des produits de santé.

#### **INTRODUCTION**

Le projet gère un entrepôt de 6,000 mètres carrés dans le parc industriel de Fleuriot où il reçoit et entrepose des produits pharmaceutiques à température ambiante contrôlée et à température ambiante ne dépassant pas +40°c. Considérant que le projet a besoin de faire le ramassage d'ordures et la gestion de nuisibles dans les locaux de l'entrepôt et des bureaux administratifs de manière régulière, il fait appel à une compagnie compétente, expérimentée et qualifiée en la matière pour exécuter ces services prenant en compte que l'entrepôt contient des produits pharmaceutiques sensibles stockés dans des boites en carton sur des palettes en bois et en plastique. La compagnie doit fournir toute la main-d'œuvre, le matériel, les outils, l'équipage et l'équipement nécessaires pour effectuer la collecte, le transport et l'élimination appropriée des ordures, ainsi que les services de fumigation et de gestion des nuisibles (pest control) suivant un programme de lutte antiparasitaire intégrée (integrated pest management).

## **DESCRIPTIONS DES**

#### **TACHES**

Il s'agit de réaliser les activités suivantes :

- Récupérer régulièrement les ordures sur la cour des deux bâtiments (entrepôt et bureau administratif) à raison de deux fois par semaine minimum ;
- S'assurer que les bacs/bernes soient vides, récupérés et désinfectés, régulièrement deux fois par semaine minimum ;
- Récupérer déchets additionnels comme les palettes en bois ou plastique abîmées ou autres meubles abîmés sur demande pour transport au site de décharges.
- Faire la gestion des animaux nuisibles (rats, insectes...) à travers la désinsectisation et la dératisation appropriées à l'intérieur et à l'extérieur des locaux ayant une superficie totale de 8,000 mètres carrés, en vue de détruire et prévenir les insectes nuisibles, spécifiquement cafards, termites, rongeurs, souris, mille pattes, moustiques etc...

- Faire des inspections régulières des locaux pour vérifier l'efficacité de la désinsectisation et dératisation, identifier la présence de nuisibles et faire des recommendations d'actions pour aider à prévenir toute infestation.
- Recommander et utiliser les produits pesticides appropriés de la liste approuvé par l'USAID dans le domaine (document PERSUAP en annexe) ;
- Respecter les normes environnementales de l'USAID dans la gestion des déchets et des nuisibles ;
- Indiquer clairement le site de décharge qui sera utilisé dans la gestion des déchets ;
- Nettoyer l'espace utilisé après chaque intervention ;
- Avoir un comportement responsable lors de l'exécution des activités ;
- Soumettre un calendrier adapté et compatible en dehors des heures de travail du projet qui sont de 8ham à 4hpm ;

### **RESULTATS ATTENDUS**

- Espace et bacs/bernes propres et libre de détritus
- Elimination totale des pestes/nuisibles dans l'entrepôt ou les bureaux administratifs pendant la durée du contrat.

## CONDITIONS DE LIVRAISON DU SERVICE

## COLLECTE D'ORDURES, FUMIGATION et GESTION DE NUISIBLES

- La compagnie doit avoir au moins deux (2) camions de transport de déchets utilisés dans leurs opérations commerciales dont un camion de secours disponible au cas où l'autre camion serait temporairement hors service. La compagnie doit garantir que les camions et autres équipements devant être utilisés pour le transport et l'élimination des ordures sont suffisants pour répondre aux besoins desdits services.
- La compagnie doit identifier le lieu de décharges des déchets récupérés.
- Les techniciens qui exécutent les travaux doivent toujours être identifiés et équipés de matériels de protection adéquats en prévention d'accident sur le site. L'équipement de protection individuelle (EPI) requis inclus : vêtements/couvertures de protection, y compris, mais sans s'y limiter, les gants, les lunettes de sécurité, les masques faciaux, les chaussures de protection.
- La compagnie doit avoir une assurance accidents liés au travail pour tous les employés intervenant sur le site (DBA insurance) ;
- L'application de pesticides pour la désinsectisation et la dératisation doit être faite en dehors des heures de travail (vendredi après 4h pm ou durant le weekend) en présence d'un employé du projet qui devra porter des équipements de protection ;
- La compagnie doit fournir une quantité suffisante de sachets de poubelles de dimension convenable pour le stockage et la collecte adéquate des ordures ;
- La collecte d'ordures doit se faire durant les heures de travail (entre 8ham et 4hpm) en présence d'un employé du projet ;
- Trois jours (maximum) après le déroulement de l'application de pesticides pour la désinsectisation et la dératisation, la compagnie doit revenir pour faire l'évaluation des opérations et constater les résultats du service ;
- Après chaque ramassage d'ordures, la compagnie doit s'assurer que toutes les bernes soient totalement vides. Pour cela, la compagnie devra avoir des véhicules appropriés pour le service de ramassage de déchets ;
- Après les visites des locaux, la compagnie doit proposer un plan pour gérer les animaux/insectes nuisibles sur la propreté de manière à minimiser le risque présenté par les nuisibles et d'assurer la sécurité de nos produits.

## **QUALIFICATION DE LA FIRME**

- La compagnie doit être expérimentée et spécialisée dans le domaine de ramassage d'ordures et de gestion de nuisibles en Haïti ;
- La compagnie doit avoir au moins 5 ans d'expériences dans le domaine de gestion de nuisibles ;
- La compagnie doit avoir des véhicules appropriés pour le transport des ordures (camions appropriés), des équipements de protection personnelle pour son staff et les outils en bon état nécessaires pour exécuter le service.
- La compagnie a au moins un employé/technicien ayant une formation en gestion de nuisibles et utilisation de pesticides qui puisse superviser le travail.

Annexe 1 – Table 2 du PERSUAP indiquant les produits approuves pour utilisation et les conditions d'utilisation



| AI                     | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                   | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>   | Common Environmental<br>Precautions <sup>c</sup>  |
|------------------------|--|----------------------------|-------------------------|--|--|---|
| Abamectin              | Some RUPs.   | Not listed                 | Roaches, ants           | Highly toxic to most<br>organisms including<br>bees, fish and to aquatic<br>organisms.                       | Procurement and use of<br>products with<br>concentration above<br>1.9% is limited to<br>professional applicators.        | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Acetamiprid            | Some RUPs.   | Not listed                 | Ants, termites          | Moderately toxic to<br>most non-target<br>organisms. It is<br>particularly toxic to<br>birds and earthworms. | Procurement and use of<br>few product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators. | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.   |
| d-Allethrin            | None   | Moderate                   | Ants, wasps             | Highly toxic to bees<br>and fish.  | None   | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Alpha-<br>cypermethrin | Some RUPs  | Moderate                   | Roaches, ants,<br>flies | Highly toxic to<br>mammals, bees, fish,<br>and aquatic organisms.<br>It is a probable water<br>pollutant.    | Procurement and use of<br>many product<br>formulations for<br>outdoor uses are limited                                   | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.  |

| AI                           | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                      | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>   | Common Environmental<br>Precautions <sup>c</sup>   |
|------------------------------|--|----------------------------|----------------------------|--|--|--|
|                              |  |                            |                            |  | to professional<br>applicators.  | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.   |
| Beta-cyfluthrin              | Some RUPs.   | Very high                  | Roaches, flies             | Highly toxic to most<br>non-target organisms<br>including mammals,<br>birds, fish, and aquatic<br>organisms. | Procurement and use of<br>many product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators.            | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Bifenthrin                   | Almost all products<br>are RUPs                          | Moderate                   | Ants, roaches,<br>termites | Highly toxic to<br>mammals, bees, fish,<br>and most other aquatic<br>organisms.                              | Procurement and use of<br>most product<br>formulations for indoor<br>and outdoor uses are<br>limited to professional<br>applicators. | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Boric Acid and other Borates | None.  | Low                        | Ants, roaches              | Low or no toxicity to non-target organisms.  | None   | None   |
| Bromethalin                  | None.  | Extremely<br>high          | Mice, rats                 | Highly toxic to<br>mammals, birds, and all<br>aquatic organisms. High<br>risks of secondary<br>poisoning.    | For use in traps only.   | Use tamper-resistant pre-baited<br>traps and within 50 feet (general<br>public) or 100 feet (trained,  |

| AI  | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                | Environmental<br>Toxicity Issues                                      | Most Common<br>USEPA Restrictions <sup>c</sup>                | Common Environmental<br>Precautions <sup>c</sup>  |
|---|--|----------------------------|----------------------|---|---|---|
|   |  |                            |                      |   |   | certified professionals) of existing structures.  |
|   |  |                            |                      |   |   | Only products labeled for outdoor use may be deployed outdoors.                                       |
|   |  |                            |                      |   |   | Because of high risks of secondary<br>poisoning, burn or bury dead<br>rodents removed from traps.     |
| Bacillus thuringiensis<br>var. israeliensis (Bti) | None.  | Not listed                 | Mosquitoes           | Low toxicity to all<br>organisms, including<br>those living in water. | None  | None  |
| Chlorantraniliprole                               | None, unless<br>formulated with<br>other restricted Als  | Unclassified               | Termites             | Highly toxic to some aquatic organisms.                               | None, unless formulated<br>in mixtures with<br>restricted Als | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.    |
| Chlorfenapyr                                      | None   | Moderate                   | Roaches, ants, flies | Highly toxic to birds,<br>fish, and aquatic<br>organisms.             | None  | If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.             |
|   |  |                            |                      | - <u>G</u> annen  |   | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.    |
| Chlorophacinone                                   | Some RUPs  | Extremely<br>high          | Mice, rats           | Highly toxic to<br>mammals. High risks of<br>secondary poisoning.     | For use in traps only   | Use tamper-resistant pre-baited<br>traps and within 50 feet (general<br>public) or 100 feet (trained, |

| AI           | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                                  | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>   | Common Environmental<br>Precautions <sup>c</sup>   |
|--------------|--|----------------------------|--|--|--|--|
|              |  |                            |  |  |  | certified professionals) of existing<br>structures.<br>Only products labeled for outdoor<br>use may be deployed outdoors.<br>Because of high risks of secondary<br>poisoning, burn or bury dead<br>rodents removed from traps. |
| Cyfluthrin   | Some RUPs  | Very high                  | Roaches, flies,<br>termites            | Highly toxic to<br>mammals, bees, fish,<br>and most other aquatic<br>organisms.  | Procurement and use of<br>many product<br>formulations for indoor<br>and outdoor uses are<br>limited to professional<br>applicators. | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.                                   |
| Cypermethrin | Some RUPs  | Moderate                   | Roaches, ants,<br>flies,<br>mosquitoes | Moderately toxic to<br>mammals, highly toxic<br>to bees and to all<br>aquatic species. It is<br>volatile and has been<br>detected in water<br>despite its chemical<br>properties that indicate<br>this to be unlikely. It is<br>a known marine<br>pollutant with some<br>indication for ability to<br>bioaccumulate. | Procurement and use of<br>some product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators.            | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.                                   |

| AI  | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                                  | Environmental<br>Toxicity Issues  | Most Common<br>USEPA Restrictions <sup>c</sup>  | Common Environmental<br>Precautions <sup>c</sup>   |
|---|--|----------------------------|--|---|---|--|
| Deltamethrin                                | Some RUPs  | Moderate                   | Roaches, flies,<br>mosquitoes,<br>ants | Highly toxic to<br>mammals, bees, and all<br>aquatic species.   | Procurement and use of<br>some product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators. | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Diatomaceous<br>earth (Silicone<br>Dioxide) | None   | Not listed                 | Roaches, ants                          | Low or no toxicity to non-target organisms.   | None  | None   |
| Diethyltoluamide<br>(DEET)                  | None   | Low                        | Mosquitoes                             | Moderately toxic to<br>mammals and all aquatic<br>organisms.  | None  | None   |
| Dinotefuran                                 | None   | Not listed                 | Roach, flies,<br>ants                  | Generally low to<br>moderate toxicity to<br>non-target organisms<br>but can be highly toxic<br>to bees and<br>earthworms. | None  | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Diphacinone                                 | Some RUPs  | Extremely<br>high          | Mice, rats                             | Highly toxic to<br>mammals. High risks of<br>secondary poisoning.   | For use in traps only   | Use tamper-resistant pre-baited<br>traps and within 50 feet (general<br>public) or 100 feet (trained,  |

| AI            | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                                | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>  | Common Environmental<br>Precautions <sup>c</sup>   |
|---------------|--|----------------------------|--------------------------------------|--|---|--|
|               |  |                            |                                      |  |   | certified professionals) of existing<br>structures.<br>Only products labeled for outdoor   |
|               |  |                            |                                      |  |   | use may be deployed outdoors.  |
|               |  |                            |                                      |  |   | Because of high risks of secondary<br>poisoning, burn or bury dead<br>rodents removed from traps.  |
| Esfenvalerate | Some RUPs  | Moderate                   | Ants,<br>termites,<br>roaches, flies | Highly toxic to<br>mammals, bees, fish,<br>and other aquatic<br>organisms.               | Procurement and use of<br>many product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators. | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Etofenprox    | None   | Unclassified               | Mosquitoes                           | Low toxicity to<br>mammals but high<br>toxicity to bees, fish,<br>and aquatic organisms. | None  | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Fipronil      | None   | Moderate                   | Roaches, ants,<br>termites           | Highly toxic to<br>mammals, birds, bees,<br>and aquatic organisms.                       | Procurement and use of<br>many product<br>formulations for indoor<br>and outdoor uses are                                 | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.          |

| AI             | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                      | Environmental<br>Toxicity Issues  | Most Common<br>USEPA Restrictions <sup>c</sup>   | Common Environmental<br>Precautions <sup>c</sup>  |
|----------------|--|----------------------------|----------------------------|---|--|---|
|                |  |                            |                            |   | limited to professional applicators  | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Hydramethylnon | None   | Moderate                   | Roaches, ants,<br>termites | Moderately toxic to all<br>non-target organisms,<br>but highly toxic to<br>some aquatic<br>organisms. | None   | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Hydroprene     | None   | Unclassified               | Roaches, flies             | Low toxicity to most<br>non-target organisms<br>and moderate toxicity<br>to aquatic organisms.        | None   | None  |
| Imidacloprid   | Some RUPs  | Moderate                   | Ants,<br>termites, flies   | Highly toxic to bees,<br>birds, and aquatic<br>organisms.   | Procurement and use of<br>several products for<br>outdoor use are limited<br>to professional<br>applicators, mostly when<br>formulated with other<br>Als | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Imiprothrin    | None   | Unclassified               | Roaches                    | Highly toxic to bees,<br>fish, and aquatic<br>organisms.  | None, unless formulated with other restricted Als  | No application in immediate area of blooming vegetation or if bees are foraging.  |

| AI                    | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests         | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>   | Common Environmental<br>Precautions <sup>c</sup>   |
|-----------------------|--|----------------------------|---------------|--|--|--|
|                       |  |                            |               |  |  | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.   |
| Indoxacarb            | None   | Moderate                   | Ants, roaches | Moderately toxic to<br>mammals, highly toxic<br>to bees, and birds.                            | None   | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.          |
| Lambda<br>cyhalothrin | Some RUPs  | Moderate                   | Flies, ants   | Highly toxic to<br>mammals, bees, and<br>aquatic organisms.                                    | Procurement and use of<br>many product<br>formulations for<br>outdoor uses are limited<br>to professional<br>applicators | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Malathion             | None, unless<br>formulated with<br>other restricted Als. | Low                        | Ants, roaches | Highly toxic to bees and aquatic organisms.  | None, unless formulated<br>with other restricted<br>Als.   | If using outdoors, do not use where<br>bees are foraging. In addition,<br>prevent excess pesticide from<br>getting into water.   |
| Metaflumizone         | None   | Not listed                 | Ants          | Low toxicity to<br>mammals and bees,<br>moderate toxicity to<br>other non-target<br>organisms. | None   | None   |

| AI          | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests   | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup>  | Common Environmental<br>Precautions <sup>c</sup>  |
|-------------|--|----------------------------|---|--|---|---|
| Methomyl    | Some RUPs  | Very toxic                 | Flies   | Highly toxic to most<br>organisms including<br>mammals, bees, birds,<br>and some aquatic<br>organisms. | None  | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Methophrene | None   | Unclassified               | Mosquitoes,<br>flies                                | Low toxicity to most<br>non-target organisms<br>and moderate toxicity<br>to aquatic organisms.         | None  | None  |
| Novaluron   | None, unless<br>formulated with<br>other restricted Als. | Unclassified               | Ants  | Low toxicity to most<br>non-target organisms<br>and moderate to high<br>to aquatic organisms.          | None, unless formulated with other restricted Als   | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Permethrin  | Some RUPs  | Moderate                   | Flies,<br>mosquitoes,<br>roaches, ants,<br>termites | Highly toxic to bees,<br>fish, and aquatic<br>organisms.   | Procurement and use of<br>several products for<br>outdoor use are limited<br>to professional<br>applicators | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Prallethrin | None   | Moderate                   | Mosquitoes,<br>roaches                              | Highly toxic to bees,<br>fish, and aquatic<br>organisms.   | None  | No application in immediate area of blooming vegetation or if bees are foraging.  |

| AI           | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests                                  | Environmental<br>Toxicity Issues  | Most Common<br>USEPA Restrictions <sup>c</sup>       | Common Environmental<br>Precautions <sup>c</sup>   |
|--------------|--|----------------------------|--|---|--|--|
|              |  |                            |  |   |  | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.   |
| Pyrethrin    | None, unless<br>formulated with<br>other restricted Als. | Moderate                   | Ants, roaches,<br>flies,<br>mosquitoes | Generally low to<br>moderate toxicity to<br>non-target organisms<br>but can be highly toxic<br>to bees and some<br>aquatic organisms. | None, unless formulated<br>with other restricted Als | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Pyriproxifen | None   | Unclassified               | Roaches, ants                          | Low toxicity to<br>mammals and moderate<br>toxicity to most non-<br>target organisms but<br>high to aquatic<br>organisms.             | None   | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.   |
| Resmethrin   | None   | Low                        | Mosquitoes                             | Highly toxic to bees,<br>fish, and aquatic<br>organisms.  | None   | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Spinosad     | None, unless<br>formulated with<br>other restricted Als. | Low                        | Ants                                   | Generally low to<br>moderate toxicity to<br>non-target organisms<br>but can be highly toxic   | None, unless formulated with other restricted Als    | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.   |

| AI                           | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests      | Environmental<br>Toxicity Issues   | Most Common<br>USEPA Restrictions <sup>c</sup> | Common Environmental<br>Precautions <sup>c</sup>  |
|------------------------------|--|----------------------------|------------|--|--|---|
|                              |  |                            |            | to bees and some aquatic organisms.  |  | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Sumithrin (d-<br>Phenothrin) | None   | Unclassified               | Mosquitoes | Highly toxic to fish and<br>other aquatic<br>organisms. Not toxic to<br>other species. | None   | Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies.  |
| Trichlorfon                  | None   | Moderate                   | Flies      | Highly toxic to bees,<br>birds, and aquatic<br>organisms.                              | None   | No application in immediate area of<br>blooming vegetation or if bees are<br>foraging.<br>If using outdoors, do not spread<br>pellet formulations that can be<br>consumed by birds.<br>Prevent excess pesticide from<br>seeping into ground water or runoff<br>into surface water bodies. |
| Warfarin                     | None   | Very high                  | Mice, rats | Highly toxic to<br>mammals. High risks of<br>secondary poisoning.                      | For use in pre-baited traps only.              | Use tamper-resistant pre-baited<br>traps and within 50 feet (general<br>public) or 100 feet (trained,<br>certified professionals) of existing<br>structures.<br>Only products labeled for outdoor<br>use may be deployed outdoors.  |

| AI | EPA Restricted<br>Use Pesticide<br>Status <sup>a,b</sup> | Toxicity<br>Class<br>(WHO) | Pests | Environmental<br>Toxicity Issues | Most Common<br>USEPA Restrictions <sup>c</sup> | Common Environmental<br>Precautions <sup>c</sup>  |
|----|--|----------------------------|-------|----------------------------------|--|---|
|    |  |                            |       |                                  |  | Because of high risks of secondary<br>poisoning, burn or bury dead<br>rodents removed from traps. |

<sup>a</sup> All active ingredients have active USEPA registrations for same or similar uses. <sup>b</sup> RUP status based on the USEPA Restricted Use Product Summary Report (available at: <u>https://www.epa.gov/sites/production/files/2019-10/documents/rup-report-</u> <u>oct2019.pdf</u>

<sup>c</sup> Pesticide label and safety data sheets must be followed during pesticide use.

In addition to Als listed in Table 2, lower risk pesticides, such as some essential oils and other plant extracts, are also approved as they are identified by the USEPA as exempt from regulation. Refer to USEPA's guidance at: <u>http://www.epa.gov/sites/production/files/2015-12/documents/minrisk-active-ingredients-tolerances-2015-12-15.pdf</u> for additional information.

For cleaning and disinfecting surfaces in warehouses, the following AIs as a sole ingredient and/or in combination of ingredients, are registered and approved by USEPA and are approved in this PERSUAP per the AFR Covid-10 Programmatic Initial Environmental Examination (IEE) (Annex 4):

- Alcohols: Ethanol, Isopropanol, Triethylene Glycol
- **Salts**: Ammonium Carbonate, Ammonium Bicarbonate, Sodium Carbonate, Sodium Chlorite, Sodium Dichloro-S-Triazinetrione, Sodium Dischloroisocyanurate Dihydrate, Sodium Hypochlorite
- Acids: Citric, Hypochlorous, Glycolic, L-Lactic, Octanoic, Peracetic, Peroxyacetic, Peroxyoctanoic, Phenolics
- **Peroxides:** Hydrogen Peroxide, Peroxyhydrate
- Quaternary Ammonium compounds
- Other ingredients: Silver ions, botanical oil thymol