



PR-LTCSD-PPHPCS -07

Permitting Public Health Pest Control Services in Abu Dhabi Emirate Procedure

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4. Procedure Objective:

The UAE has given a great attention to the controlling of all type of public health pests with top priority given to disease vectors such as mosquitoes, flies and rodents. As a result, UAE has officially issued the main governing law for the management of pest control activities in 2012. In general, the term pest can be tailored to address certain purposes such as:

- Agricultural pests; harmful for crop and agriculture,
- Veterinary pests; harmful for pets and poultries and other domestic animals, in addition to public health pests; which are harmful to human health. This PROCEDURE was tailored to address public health pests

Beside those public health threats stray animals could also badly affect the wildlife and the environment. Economically stray animals can badly affect the tourism by reflecting an undesirable image of the community.

ADCWM (Tadweer) is the regulatory authority in the Emirate of Abu Dhabi for the Waste Management as well as the "Public Health Pest Control". ADCWM (Tadweer) has given a considerable attention toward pest control across the Emirate of Abu Dhabi aiming to provide the best quality of life and keep our communities clean and comfort and disease-free. This PROCEDURE had been issued to provide guidance on permitting and technical requirements for the pest control service providers to ensure (through a comprehensive evaluation of qualification) that those companies are capable to carry out pest control services that meet the local and international standards and achieve the overall purpose effectively by preserving our environment clean and free of any of discomfort factors.

Integrated Pest Management (IPM), also known as Integrated Pest Control (IPC) is a broad-based approach that integrates practices for effective control of pests. IPM aims to suppress pest populations below the Economic Injury Level (EIL). Recently; IPM has become the main stream of ADCWM (Tadweer), accordingly all pest control practices, procedures for all service providers have been designed to comply with the principles of IPM by adopting all pest control techniques and methods in an effective and environmentally safe manner.

Public health pest control or pest management is done through using techniques, methods and materials including:

1. Chemical control methods: using of public health pesticides
2. Physical control methods: using of non-chemical items including, water filming materials (Aquatint- mosquito control traps (light traps, glue traps, snap traps ...etc.), cages, heat treatment or vacuuming.
3. Biological control methods: using living organisms to control the population of pests, such as using fish for controlling mosquitoes' larvae.
4. Cultural control methods: by which pests' attracting factors are removed including food, water and shelter, cultural practices include: hygiene, sanitation, exclusion, awareness...etc.

Stray animals have been considered as urban pests that may cause nuisance and discomfort to the residents, in addition, there are several zoonotic diseases (diseases transmitted from animals to humans) that can be carried by stray animals especially stray dogs and cats such as:

- Rabies,
- Leptospirosis,
- Cutaneous larval migrant (beach worms),
- Tropical Canine Pancytopenia (tick fever),
- Lyme disease and
- Rocky Mountain spotted fever.

5. Procedure Scope:

This procedure is applicable for all pest control service providers in the Emirates of Abu Dhabi. Area of implementation including but not limited to:

- public utilities,
- horse stables,
- wastes disposal sites,
- markets,
- sewage treatment plants,
- public parks & gardens,
- airports and seaports and
- Citizen Residences.

The scope of this procedure was designed to include two activities:

- 1- Public health pest control services
- 2- Stray animal impounding services

Public Health Pest Control Services activity:

This procedure is applicable to new and existing entities that are involved in “Public Health Pest Control Services” In order to provide guidance to the Permitting process as well as the technical requirements needed for the permitting process that includes all methods and techniques that are used for controlling the population of the following pests:

| | | | | |
|---------------------|------------|------------------|--------------------|----------|
| Cockroaches | Mosquitoes | Files | Rodent pests | Bed bugs |
| Spiders & scorpions | Fleas | Snakes & lizards | Ants, wasps & bees | |

Stray Animals impounding Service activity:

This procedure also designed to cover the activity of “Stray Animals impounding Service” for all companies who are working the Emirate of Abu Dhabi, which means the service by which stray animals are captured, impounded, transported, treated, and re-homed., the stray animals range included in this PROCEDURE for the Stray Animals Impounding Service include the following animals:

| | | | |
|------|------|-------|---------|
| Dogs | Cats | Foxes | Rabbits |
|------|------|-------|---------|

6. Terms & Definitions:

Tadweer (ADWMC) – Abu Dhabi Waste Management Center for managing waste in the Emirate of Abu Dhabi as established under Decree No 17 of 2008 establishing the Centre of Waste Management – Abu Dhabi

Public Health Pest Control Company - Any company or establishment who’s been licensed to practice: importing, trading, handling, storing or using of public health pesticides to control, mitigate or eliminate public health pests.

Public health pests - Any living organism that capable to cause potential damage for human health by causing or spreading disease whether by direct or indirect disease transmission, nuisance and discomfort, stored food destroying or properties damage just like: stray animals (cats and dogs), rodents (rats and mice), reptiles (snakes), insects, spiders and fungi.

Public health pesticides - Any natural or artificial materials that made up of single or mixture of active ingredients, whose purpose is to prevent, ripple, eradicate or control public health pests. The term excludes those pesticides that are used for agricultural pests and disinfectant materials

Restricted pesticides - The pesticides with certain toxicity and it must only be used by qualified and certified pest control professionals

Public health pest control technician - Any person who has the required qualifications and professional experiences and who's been working in the field of public health pest control and/or public health pesticide trading or storing.

Pesticides circulation or handling - Any practice for commercial, industrial or technical operation that may include importing, exporting, transportation, storing or practicing the public health pest control activity.

Public Health pest control- Is defined as the activities by which the pests' populations are suppressed, rippled, prevented or controlled in a targeted area in certain time to the acceptable levels below the action or economic threshold to avoid, prevent or reduce the hazards or damage that might be associated with that pest that affect the human health.

Integrated pest management (IPM)-The careful consideration of all available pest control techniques including physical, biological, cultural, mechanical and chemical methods, and subsequent integration of appropriate measures that discourage the development of pest populations and keep pesticides and other interventions to levels that are economically justified and reduce or minimize risks to human health and the environment.

Stray animal- Any animal whose owner is unknown or cannot be located, or any such animal whose owner is known but permits the animal to roam at large on the streets, alleys, roads, range or premises of another without permission.

Abbreviations

- **ADWMC** Abu Dhabi Waste Management Center
- **EAD** Environment Agency Abu Dhabi
- **ESP** Environmental Service Provider
- **ADSSC** Abu Dhabi Sewerage Services Company
- **NOC** No Objection Certificate
- **MSDS** Material Safety Data Sheet
- **ADCCI** Abu Dhabi Chamber of Commerce and Industry
- **CS** Customer Service
- **DED** Department of Economic Development
- **GPS** Global Positioning System
- **PPE** Personal Protective equipment
- **IPM** Integrated Pest Management
- **ADQCC** Abu Dhabi Quality and Conformity Council
- **PHPC** Public Health Pest Control
- **MOCCA** Ministry of Climate Change and Environment
- **HSE** Health, Safety and Environment

7. Requirements:

Public health pest control permitting requirements

The following requirements shall be provided and fulfilled by pest control companies interesting in obtaining new permits OR renewing their existing permit for practicing the profession of Public Health Pest Control Services in the Emirate of Abu Dhabi. To ensure that they possess the proper resources and capabilities that enables them to practice the pest control activities in a safe and affect manner.

Operational Staff

| SN | Item | Technical supervisor | Technicians |
|----|------------------------|---|--|
| 1 | Qualifications | <p>Education Must have at least a bachelor's degree in public health pest control, entomology, agricultural science, biology, zoology, agronomy or any relevant science. Holders of "public health pest control or pest management. Diploma" will also be accepted</p> <p>Certification: ADQCC Certified for Public Health Pest Control applicator (Supervisor)</p> <p>Experience Proper experience in public health pest control.</p> | <p>Education: Must have at least a secondary school certificate (grade 12).</p> <p>Certification: ADQCC Certified for Public Health Pest Control applicator (Technician)</p> <p>Experience: Proper experience in the field of public health pest control.</p> |
| 2 | Technical Requirements | <p>Shall be capable to carry out pest control or pest management treatments safely and effectively, and therefore he/she must have an adequate knowledge about:</p> <ul style="list-style-type: none"> • Pest's identification; • Pest's biology; • Integrated Pest Management techniques that ensure the optimum usage of chemical treatments, non- chemical treatments and focus on pest prevention and cultural practices; • Safe and effective pesticide application, handling and storing; • Pesticides basic chemistry and toxicology; • Safety precautions and procedures. | <p>Shall be capable to recognize and differentiate different pesticides and have acceptable knowledge about pest control treatments and fully aware about the associated hazards, health and safety procedures;</p> |
| 3 | Compliance Assessment | <p>The technical supervisor needs to proof his qualifications through:</p> <ul style="list-style-type: none"> • Submitting attested bachelor's degree certificate; • Transcript (mark sheet) • Experience certificate; • Must pass the virtual interview with Tadweer technical team members; | <p>Technician need to proof his qualifications through fulfilling the following:</p> <ul style="list-style-type: none"> • Secondary school certificate; • Certificate of previous experience/training; • Having the "General public health Pest control technician permit" issued by ADQCC. (this requirement will be |

| | | |
|--|--|--|
| | <ul style="list-style-type: none"> Having the "General public health Pest control supervisor permit" issued by ADQC (this requirement will be applied once its officially confirmed | applied once its confirmed officially) |
|--|--|--|

Pesticides Transportation

Pesticides must be transported in well equipped vehicles that have the following features:

Vehicle specification

- Passengers' cabin is completely separated from the loading box;
- Salon cars or any vehicles that basically designed to transport passengers are not allowed;
- Vehicle must be equipped with separate boxes with locks for keeping chemical, non-chemical items, PPE and tools. Boxes must be made of metal or any non-absorbing and flexible materials (non-fragile) such as steel, aluminum, fiber ...etc.;
- Pesticides must be kept in separate boxes and it must be stored in ice boxes by which it will not be exposed to extreme temperature;
- Vehicle must have the company logo and all boxes must be labelled with toxicity signs or pictograms.

Pesticides handling

- All pesticides must be kept in their original containers;
- Vehicles must have a copy of pesticides registration certificates;
- Vehicles must have a copy MSDS file for used pesticides;
- Vehicles must have a list for emergency numbers;
- Boxes must have locks specially the chemical boxes;
- Pesticides must be kept tidy and in vertical position;
- Boxes contents must be properly segregated. And therefore, it is not allowed to keep chemical items with non-chemical items.

Safety

- PPE must be available in all vehicles and must be kept separately in separate boxes and it is not allowed to keep PPE in the passenger cabin;
- Vehicles must be equipped with the proper spill kit;
- Vehicles must be equipped with first aid kit and fire extinguisher.
- PPE and other safety equipment must be available in all vehicles and must be kept separately in boxes away from any possible pesticides contamination.

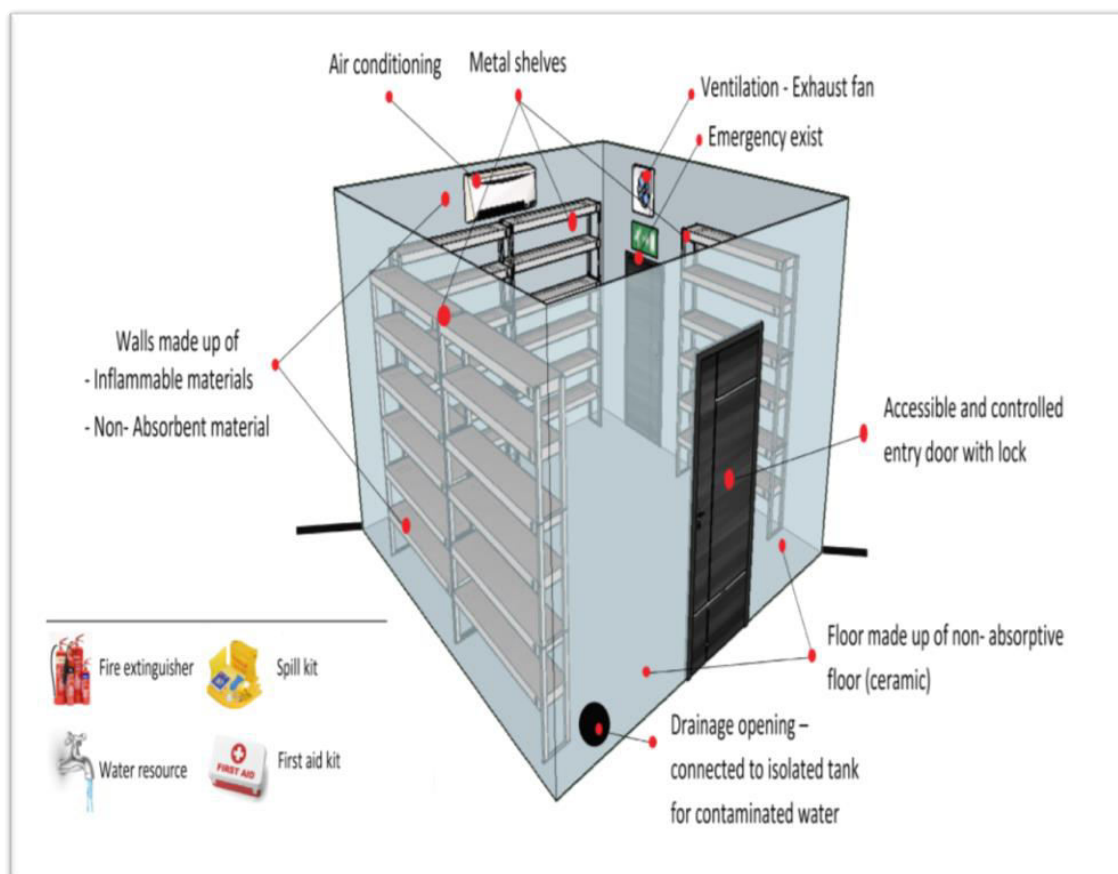
GPS tracking

- All pest control vehicles must be equipped with GPS tracking device, the GPS device must be installed by ADWMC (Tadweer).
- Only vehicles equipped with GPS tracking devices can practice the pest control activity. companies must not use any vehicles not equipped with Tadweer GPS tracking device

Pesticides Storage

Pesticides must be stored in separate rooms that have the following conditions:

- Good ventilation to take out the pesticides evaporations and avoid the accumulation and condensing of concentrated pesticides;
- Keeping pesticides separately from any other items in the store on metal shelves;
- Pesticides containers must be kept always tidy and in vertical position;
- Pesticides store must be equipped with air conditioning (split units) for keeping pesticides store under the proper temperature (24-26 C⁰) and avoid over heating to reduce/ prevent any potential pesticides evaporation;
- No-chemical items, tools and PPE must be kept separately on metal shelves;
- A copy of registration certificate and MSDS shall be available in the storage room for all pesticides;
- A copy of inventory records (materials in/out) shall be available in the storage room;
- Pesticides must be kept in their original containers and the pesticide label must be apparent and clear;
- Pesticides store must be equipped with first aid kit, proper spillage kit and fire extinguishers;
- There must be a water resource to wash out pesticides in case of spillage;
- The floor of pesticides store must be made of non-absorptive materials with isolated drainage system for containing contaminated drainage water;
- The pesticides store must be having a controlled access ONLY for authorized personals;
- Pesticide store must have easy and distinguish access;
- Pesticides store must be away from the residential areas;
- Pesticide store should have good lighting and well protected from direct sunlight;
- Pesticides store must have adequate space that allows proper maneuvering; pesticide store area should at least be 9 m²
- Pesticide store must contain a distinguished container for keeping empty pesticides containers, the container must be yellow color and must be labelled as hazardous waste container
- Appropriate pictograms must be available outside the store room to indicate the purpose of this room and provide alert about the hazardous contents in the store

Figure 1: basic structure for pesticides storage room**Pest Control Methodologies****Integrated pest management (IPM)**

All companies are required to implement the integrated pest management (IPM) Techniques throughout their operations. IPM techniques that use a combination of physical, chemical, cultural and biological methods in an environmentally safe manner, and therefore, all companies must perform pest control practices that are:

- Depend on sustainable treatments that provides long term effectiveness;
- Relying on using non-chemical treatments rather than using chemical ones;
- Adopting pest control practices that focus more on preventive measures rather curative measures;
- Treatment that apply pesticides rotation and use the least hazardous pesticides wherever applicable. Pesticides rotation is the approach by which the used pesticides are changed and replaced by other pesticides with different mode of action periodically throughout the year to avoid buildup of pesticides' resistance. Accordingly, companies must make sure to rotate the using of same pesticides that have the same mode of action, thus they must use pesticides from different chemical group;
- All companies are required to provide the following:
 - IPM programs for most common pests including: mosquitoes, flies, bedbug, German cockroaches, American cockroaches, Norway rats, roof rats, house mouse, ants;
 - A list of chemical and non-chemical materials.

Pesticides Applications

Pesticides are the hazardous materials that are used for pest control and the pesticide application is considered as a dangerous practice and therefore pesticides application must be done carefully to ensure the safety of individuals and the environment as well as the proper and effective use of pesticides.

Technical requirements

- Pesticides must be used as per label including; the targeted pests, dilution rate, and application rate;
- It's not allowed to use any banned pesticides;
- All used pesticides must be registered at MOCCA under the category of public health pesticide;
- Pesticides must be applied safely as per the safety precautions on the label and the MSDS;
- All used pesticides must have a validity date;
- All pesticides must be kept in their original packs and having their original label;
- All pesticides must be obtained from approved suppliers;
- All pesticides must be stored and transported as per requirements stated in this PROCEDURE and as per label and MSDS guidance.

Tools & Equipment

- Pest control companies must have at least the basic tools and equipment that are necessary to perform pest control activities;
- All tools and equipment must be available and ready for use;
- All tools must be kept in suitable and separate places in the pesticides stores and must never be kept elsewhere;
- Tools and equipment must be compatible with the IPM programs for most common pests;
- Tools and equipment must be maintained, calibrated and cleaned up safely in regular basis;
- The operational staff must be aware and capable to use and maintain tools and equipment effectively and safely.

Health, Safety & Environment (HSE) Systems

- All companies are required to prepare an HSE manual that contains the risk assessment, preventive and corrective actions needed for all risks associated with pest control practices including:
 - Pesticides poisoning (acute and chronic toxicity);
 - Pesticides contamination;
 - Pesticides leakage or spillage;
 - Occupational risks;
 - Environmental pollution;
 - Food safety.

Pesticides Empty Containers Disposal

- Pesticides empty containers are considered hazardous waste and therefore, all companies are required to ensure the safe disposal of pesticides empty containers/bottles;

- All pest control companies are required to manage their pesticides empty bottles as per Ministerial Decision No. 714 of 2015 on the proper disposal of damaged pesticides and empty pesticide containers.
- All companies are required to contract specialized transporter for chemical waste, the transporter must have valid permit for transporting chemical waste. A list of valid transporters for chemical waste can be found through the below link: <https://tadweer.ae/ar/ESPAcc/Pages/ESP.aspx?filter=1>

All required documents and records for empty pesticides container disposal will be checked through checking out the company account on Bolisaty system where the contract and waste manifests will be checked online to ensure that the company has a valid contract with approved transporter for chemical and track the manifest records for transported quantities. All applicants should proof that they have been committed to transport empty pesticides containers properly to accept the application, for more information about Bolisaty system please follow the below link <https://tadweer.ae/ar/Pages/Bolisaty.aspx>

Stray Animals Impounding Requirements:

This section set forth the stray animals impounding permitting requirements which have been set to comply with the UAE cabinet Decree no.27 for the 2012. These requirements must be provided and fulfilled by the companies who are looking to obtain the permit for stray animals impounding activity to practice the profession in the Emirate of Abu Dhabi or retain their existing ADWMC (Tadweer) permits.

Operational Staff

| SN | Item | Technical supervisor (Min one supervisor required) | Technicians (Min two technician required) |
|----|-------------------------------|---|---|
| 1 | Qualifications | <p>Education Secondary school certificate (grade 12 or equivalent).</p> <p>Experience: minimum two years of professional experience in the field of stray animals impounding.</p> | <p>Education: Secondary school certificate (grade 12 or equivalent).</p> <p>Experience: have previous experience in the field of stray animals impounding.</p> |
| 2 | Technical Requirements | <p>Technical supervisor shall be aware of the following:</p> <ul style="list-style-type: none"> • Safe and effective stray animals handling; • Stray animals' identification; • Stray animals capturing techniques; • TNR methodology (Trap-Neuter-Return); • Sufficient knowledge about animals' rights and human treatments; • Sufficient knowledge about the hazards associated with stray animals impounding; • Safety precautions and procedures. | <p>Technician shall be aware of the following:</p> <ul style="list-style-type: none"> • Safe and effective stray animals handling; • Stray animals' identification; • Stray animals capturing techniques; • TNR methodology (Trap-Neuter-Return); • Sufficient knowledge about the hazards associated with stray animals impounding; • Safety precautions and procedures. |
| 3 | Vaccination | <ul style="list-style-type: none"> • A supervisor must be vaccinated against zoonotic diseases (diseases transmitted from animals to human). | <ul style="list-style-type: none"> • A technician must be vaccinated against zoonotic diseases. |
| 4 | Compliance assessment | <p>The following will be checked:</p> <ul style="list-style-type: none"> • Education certificate in Arabic or English language; • Experience certificate; • Passing the virtual interview with Tadweer technical Team members; • Vaccination certificate. | <p>The following will be checked:</p> <ul style="list-style-type: none"> • Education certificate in Arabic or English language; • Experience certificate/ training certificate; • Vaccination certificate. • |

Stray Animals Transportation:**Technical requirements**

- Vehicle specification

- Passengers' cabin shall be completely separated from the loading box, and it is not allowed to use salon cars or any vehicles that basically designed to transport passengers;
- The loading compartment where the animal is kept must be air conditioned;
- Loading compartment must be secured with locks & equipped with proper shelves to ensure tight and well secure positioning of the cages;
- Vehicles must have the company logo and contact details in apparent and clear manner;
- The vehicles must have a particular label indicates that the vehicles are designed for transporting animals, the label must be apparent and clear;
- PPE and other safety equipment must be available in the vehicles & must be kept in separate boxes through which it can be kept away from any possible contamination;
- Vehicles must have a list for emergency numbers.

Figure 2: Example of animal transportation vehicle and vehicle label



- **GPS tracking**

- All stray animals impounding vehicles must be equipped with GPS tracking device, the GPS device must be installed by ADWMC (Tadweer).
- Only vehicles equipped with Tadweer GPS tracking system are allowed to practice the activity of stray animal impounding. companies must not use any vehicles not equipped with Tadweer GPS tracking device.

Stray animals shelter or hotel

Trapped animals shall be kept in a good condition that ensures the animal welfare during the impounding periods

Technical requirements

- Good ventilation, in order to take out evaporations and other dirt and ensure adequate air exchange;
- Air conditioning, to avoid heat stress for animals by keeping the temperature at adequate degree (22-24 C⁰);
- Good lightening whether natural or artificial lightening, make sure not to expose the animals for direct sunlight;

- The shelter or the hotel must have sufficient space that ensures healthy and adequate space is allowed for kept animals and easy movement of the staff;
- The shelter room must be located in non-residential, commercial or industrial areas. The room must be located in areas that are away from active human population to avoid making nuisance for public and disturbing the animals;
- Proper PPE/first aid kit must be in place;
- Emergency number must be available;
- Fire extinguishers must be available inside and outside the animal shelter or a fire fighting system shall be in place;
- The shelter must be equipped with proper shelves to keep the animals' cages in good manner;
- Non-permeable floor (ceramic is recommended);
- Walls must be glazed and made up of fire resistant materials (ceramic is recommended);
- Animals must be fed properly using the proper animals' food as well as ensure proper watering using good water quality and clean equipment;
- Shelter room must be clean all the time and avoid any the accumulation of animal faces and dirt.

Tools & Equipment

Stray animals impounding companies must have at least the basic tools and equipment that are necessary to perform stray animals impounding activities professionally, safely and effectively and shall include the following items:

- Proper cages for trapping, transporting and impounding animals; cages must meet the international standards and ensure providing good conditions for keeping animals inside;
- The company must have specialized cages that designed particularly to be used for cats, dogs, rabbits and foxes;
- Proper catching equipment (dogs catching stakes);
- Specialized PPE designed for handling stray animals.

Other Requirements:**Pre-Requisite Permitting**

The company must have obtained Tadweer permit for public health pest control service activity. A copy of valid permit is required;

Training

Each company must provide a periodical training plan along with all evidence of carrying effective training to its staff, training must be specialized in stray animal impounding techniques, methods, tools, safety.

TNR (Trap-Neuter-Return) Methodology

All companies must follow the international standard of TNR which stands for Trapping, Neutralization and Re-homing or Return. Basically, TNR standard is built based on trapped stray animals must be tracked all the way down of process as follows

- Trapping the animal;
- Then send it to certify neutralization facility (Falcons hospital);
- Neutralized animal must be returned to the original place where which it has been captured.

All steps must be documented, and the company shall provide all documented evidences that proof their compliance with TNR standard.

Contract with approved neutralization facility

All companies are requested to have valid contract with approved neutralization facility, currently the only approved facility in Abu Dhabi Emirate is the Falcons Hospital (located in Al Shamkha, Abu Dhabi). Additionally, a copy of valid contract is required

8. Permitting Process

Permitting requirements for public health pest control services

- Permitting process is done through the following steps:
 - 1) Receive online renewal applications
 - 2) Checking and review required documents (if there are missing documents the application will be rejected at this stage)

- 3) Inspection: By which all technical requirements are checked virtually
 - 4) Approve or reject the application based on submitted final evaluation and inspection results
- Applications process for issuing new permit or permit renewal Applying entity must ensure the availability of the technical engineer during the time of application to avoid rejection of the submitted application.
 - The permitting process takes on average of five working days to complete pest control applications

Permitting requirements for Stray Animals Impounding services:

- Valid **Tadweer** permit for public health pest control service activity;
- Staff Training certificates;
- Documents/evidence for implementing the TNR Methodology (Trap-Neuter-Return);
- Valid Contract with approved neutralization facility.

Permitting process is done through the following steps:

1. Receive online renewal applications
2. Checking and review required documents (if there are missing documents the application will be rejected at this stage)
3. Inspection: By which all technical requirements are checked virtually
4. Approve or reject the application based on submitted final evaluation and inspection results

9. Inspections & Violations:

Inspection Requirements:

Inspection shall be performed, to ensure compliance with UAE laws and regulations, ADWMC (Tadweer) procedures, and other requirements that foster integrated pest management practices.

- ADWMC (Tadweer) reserves the right to carry out inspections on pest control service providers, Scope will include the following:
 1. Pest control/ Stray animals impounding companies' premises;
 2. Pest control/ Stray animals impounding companies' client's premises;
 3. Pest control/ Stray animals impounding vehicles.
- Inspection of the various entities will be carried out following the inspection checklists as per this PROCEDURE.

The frequency of inspection is as outlined in Table 5-1 below. However, in case of any unforeseen events, ADWMC (Tadweer) reserves the right to inspect entities as many times as needed to ensure that the regulator's requirements are fully met.

Table 1: Inspection frequency

| Type of Entity | Inspection Frequency |
|---|----------------------|
| Pest control / Stray animals impounding companies' premises | At least once a year |
| Public Health Pesticides store/ Animals' shelter | At least once a year |
| Public Health Pest control / Animals shelter vehicles | At least once a year |

Violations & Fines:

The following points will be considered as a violation:

1. Non-compliance to any requirements of this procedure shall be considered as a violation of this procedure and liable for enforcement / judicial action. Additionally, any of the following actions shall also be considered as violation;
2. Noncompliance with UAE National / Federal regulatory requirements, Abu Dhabi regulatory requirements including EAD and ADWMC (Tadweer) requirements;
3. Noncompliance with ADWMC (Tadweer) requirements/ procedures for pest control/ stray animals impounding.
4. All stakeholders shall abide to the violations and associated fines for their illegal actions, if any, which is published on ADWMC (Tadweer) website at (<http://licensing.tadweer.ae/ar/Pages/default.aspx>).

10. References:

1. Federal Law No (24) for the year 1999 on the Protection and the Development of the Environment;
2. Federal Law No. (28) of 2001 Regarding the Establishment of the emirates authority for standards and Meteorology;
3. Federal Regulation for Handling Hazardous Materials, Hazardous Wastes and Medical Wastes, issued by Cabinet Decree No. 37 of 2001;

4. Law No (21) for the year 2005 on Waste Management in the Emirate of Abu Dhabi;
5. Decree No 17 of 2008 establishing the Centre of Waste Management – Abu Dhabi.
6. Decree No 42 of 2009 requirements of the Abu Dhabi Emirate Environment, Health and Safety Management System (EHSMS) Regulatory Framework.
7. Cabinet, U. (2012). UAE Cabinet decree no 27 for the year 2012. Organizing Public health Pest Control Pesticides Circulation. United Arab Emirates: UAE Cabinet
8. Decree No 714 of 2015 on the proper disposal of expired pesticides and empty pesticide containers;
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18. Trotman, M. (2018). Impact of stray dogs and cats on the community Impact on economy, including tourism Impact on livestock, wildlife and the environment. Ministry of Agriculture and Rural Development Barbados.

11. Annexures:

Annex 1: List of Most Common Public Health Pests and Stray animals.












Annex 2: Inspection Checklist for Pest Control Companies.



Annex 3: Checklist for Tadweer technical requirements for obtaining Permit to practice pest control activities.

Annex 4: Inspection Checklist for Stray Animals Impounding Companies.

Annex 5: Checklist for Tadweer technical requirements for obtaining Permit to practice Stray Animals Impounding Services.

Annex 1: List of Most Common Public Health Pests and Stray Animals

| Public health pests | | | |
|---------------------|--|-----------|--|
| | Pest | Class | |
| 1 | Mosquitoes (<i>Culex spp.</i> , <i>Anopheles spp.</i> , <i>Aedes spp.</i>) | Insects |  |
| 2 | Flies (house fly, blow fly, stable fly, fruit fly ...etc.) | Insects |  |
| 3 | Cockroaches (German, American and oriental) | Insects |  |
| 4 | Bed bug (<i>Cimex lectularius</i>) | Insect |  |
| 5 | Ant (thief ant, pavement ant, carpenter ant ...etc.) | Insects |  |
| 6 | | | |
| 7 | Wasp and bees | Insects |  |
| 8 | Silver fish | Insect | |
| 9 | Centipedes and Millipedes | Chilopoda |  |
| 10 | Spiders | Arachnida |  |
| 11 | Scorpions | Arachnida |  |
| 12 | Rodents (Norway rat, roof rat and house mouse) | Mammalia |  |
| 13 | Snakes | Reptiles |  |
| Stray animals | | | |

| | | | |
|---|---------------|--|--|
| 1 | Stray dogs |  | |
| 2 | Stray cats |  | |
| 3 | Stray foxes |  | |
| 4 | Stray rabbits |  | |

Annex 2: Inspection Checklist for Pest Control Companies

| Inspection Checklist | | | |
|---|-----------|---------------|-------|
| Technical supervisor | | | |
| Checked Elements | Compliant | Non-compliant | Notes |
| Technical supervisor is available | | | |
| Original degree certificate is available and accepted | | | |
| Technical supervisor is available for interview | | | |
| Technical supervisor qualifications | | | |
| ADQCC Certificate for Public Health Pest Control Applicator (supervisor | | | |
| Visa status of the technical supervisor | | | |
| Technicians | | | |
| Checked Elements | Compliant | Non-compliant | Notes |
| Two Technicians are available | | | |
| Technicians are holding secondary school certificate (as min) | | | |
| Visa status of technicians | | | |
| Technicians qualifications | | | |
| ADQCC Certificate for Public Health Pest Control Applicator (Technician) | | | |
| Pesticides | | | |
| Check Elements | Compliant | Non-compliant | Notes |
| List of pesticides attached with a copy of registration certificates are available | | | |
| Technical data sheets and MSDS are available in the pesticides store | | | |
| There are no banned pesticides | | | |
| There are no extremely restricted pesticides | | | |
| There are no unregistered pesticides | | | |
| There are no expired pesticides | | | |
| Pesticides containers are not opened before using and they are not refilled | | | |
| Pesticides labels are available | | | |
| Pesticides leakages and spills are treated properly | | | |
| Pesticides empty containers are disposed properly, and all records are available on Bolisaty system | | | |
| Pesticides store | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Pesticide store location map is available | | | |
| Pesticides store comply with local regulations | | | |
| Good ventilation and air exhaust fan are available | | | |
| Good lighting by which pesticide label is easy to read | | | |
| Pesticides containers are not exposed to direct sun light and humidity | | | |

| | | | |
|---|------------------|----------------------|--------------|
| Easy transportation, rescue, and emergency access | | | |
| Store floor is impermeable and slanted toward the entrance. | | | |
| Pesticides spill control tools are available | | | |
| Safety equipment are available | | | |
| The walls are covered with insulating and non-flammable materials | | | |
| Precautions and warning boards are available | | | |
| There is water source | | | |
| Pesticides are stored in their original containers | | | |
| Pesticides containers are placed in vertical manner | | | |
| Appropriate and safe corridors are available inside the store | | | |
| Extremely toxic, flammable and volatile pesticides are kept in special secured places | | | |
| There is first aid kit available and placed in reachable and obvious place | | | |
| There are safe shelves for pesticides | | | |
| Dry pesticides are kept in the upper side of shelves | | | |
| Pesticides store is only used for pesticides storage | | | |
| Pesticides are kept separately from other items | | | |
| Chemical items are kept separately from non-chemical items | | | |
| PPE are kept safely and away from any possible contamination with other chemical | | | |
| Pest control tools, machines and equipment are kept separately from other non-chemical items | | | |
| There are no food items or any other items that can be used for other purposes rather than pest control | | | |
| There is no heat or intense lighting sources in the store | | | |
| Emergency numbers are available | | | |
| Electrical wires are isolated and covered in good manner and as per the standards | | | |
| There is wall surrounding the store from all directions | | | |
| Washing water does not disposed in the public sewage network | | | |
| Empty pesticides containers are collected in special drum for chemical waste (Hazardous waste) | | | |
| Vehicles | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Pesticide transportation vehicle is available | | | |
| There are specialized boxes for keeping pesticides controlled with locks | | | |
| Boxes are made from metallic material or from any non-fragile, non-absorptive and flexible materials | | | |
| Pesticides are kept in isolation boxes that can maintain the pesticides in good temperature during the transportation (ICE BOXES) | | | |

| | | | |
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| Company logo is available on the vehicle | | | |
| The passengers' cabinet is completely separated from the loading box | | | |
| There are no pesticides are kept inside the passenger's cabinet | | | |
| There is a copy of MSDS and registration certificate in vehicle for all used pesticides | | | |
| Pesticides are kept in the vehicle in a safe and appropriate manner | | | |
| Chemical items are kept separately from non-chemical items | | | |
| Spills/ leaks control tools/PPE are available in separate and isolate places | | | |
| There is precautions and warning signs indicating that the vehicle is carrying hazardous materials | | | |
| Tadweer GPS tracking is active | | | |
| GPS routes records proof that the vehicle was working properly in Abu Dhabi Emirate | | | |

Annex 3: Checklist for Tadweer technical requirements for obtaining Permit to practice pest control activities.

| List of required documents for technical requirements – to be submitted with full permit applications | | | |
|---|--|--|-------|
| | Required documents | Conditions | Notes |
| | Technical supervisor (agricultural engineer) – minimum 1 | | |
| 1 | Copy of Degree certificate | <ol style="list-style-type: none"> 1- The certificate must be at least Bachelor's degree in relevant field (public health pest control, entomology, agricultural science, biology, zoology, agronomy or any relevant science. (Diploma degree is only accepted for public health pest control or pest management. 2- The certificate must be attested 3- Original certificate must be available along with transcript or mark sheet and to be presented whenever it is needed | |
| 2 | Copy of Experience certificate | Experience certificate at least for one year in the field of public health pest control | |
| 3 | Visa copy | <ol style="list-style-type: none"> 1- For non- local engineers the visa copy must be sponsored by the applicant company 2- Visa must be valid 3- Issued from Abu Dhabi Emirate 4- The profession name must be agriculture engineer or any relevant name such as pesticides specialist | |
| 4 | Copy of Pest control supervisor permit issued by ADQCC | <ol style="list-style-type: none"> 1- General public health pest control 2- Valid permit 3- Supervisor permit 4- Original permit must be available to be presented whenever it is needed | |
| | Pest control technicians – minimum 2 | | |
| 5 | Copy of secondary school certificate | <ol style="list-style-type: none"> 1- Attested secondary school certificate, grade twelve or equivalent 2- Original certificate must be available to be presented whenever it is needed | |
| 6 | Visa copy | <ol style="list-style-type: none"> a. Valid visa b. Issued in Abu Dhabi c. Sponsored by the company d. Profession name should be pesticides worker or pest control worker | |
| 7 | Copy of Pest control permit issued by ADQCC | <ol style="list-style-type: none"> 1- General public health pest control 2- Valid permit | |

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|--|---|--|---|
| | | 3- Technician permit 4- Original permit must be available to be presented whenever it is needed | |
| Vehicle | | | |
| 8 | Copy of the vehicle ownership card | The vehicle must be owned by the company. if the vehicle is rented a copy of the rent contract is required | All technical specifications and requirements as mentioned in the technical guidelines will be checked through field inspection |
| Pesticides store | | | |
| 9 | Pesticide store location | A google map print out that shows the directions from Tadweer toward the pesticides store. | All technical specifications and requirements as mentioned in the technical guidelines will be checked through field inspection |
| Pesticides, methodologies and HSE | | | |
| 10 | IPM manual | IPM programs for most common pests including: mosquitoes, flies, bedbug, German cockroaches, American cockroaches, Norway rats, roof rats, house mouse, ants | |
| 11 | List of chemical and non-chemical items | | |
| 12 | List of pesticides | List of pesticides in use that shows the trade name, active ingredient, manufacturer, distributor, chemical group | Registration certificates and MSDS's will be checked through field inspection |
| 13 | Empty container disposal plan | As displayed in the technical guideline | |
| 14 | HSE manual | Health and Safety and Environment manual that should include all points mentioned in the HSE section in the technical guidelines | |

Annex 4: Inspection Checklist for Stray Animals Impounding Companies

| Inspection Check List | | | |
|---|-----------|---------------|-------|
| Technical supervisor (minimum 1) | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Supervisor is available | | | |
| Original degree certificate is available and accepted | | | |
| supervisor is available for interview | | | |
| supervisor qualifications | | | |
| Visa status of the technical supervisor | | | |
| Supervisor vaccination is available & valid | | | |
| Technicians | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Provide the minimum number of technicians (2) | | | |
| Provide minimum secondary school certificate for technicians | | | |
| Visa status of technicians | | | |
| Technicians qualifications | | | |
| Technicians vaccination is available & valid | | | |
| Tools and equipment | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Specialized cages are available for different kinds of animals (cats, dogs, rabbits, foxes) | | | |
| Cages are in good working conditions (clean, neat, secured, labeled) and meet the international standards | | | |
| Capturing equipment are in good working conditions and meet the international standards | | | |
| Proper PPE are available whenever it required | | | |
| Animal shelter | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Animal shelter location map is available | | | |
| Animal shelter complying with local regulations and technical requirements | | | |
| Good ventilation and air exhaust fan are available | | | |
| Good lighting | | | |
| Animals are not exposed to direct sun light and humidity | | | |
| Easy transportation, rescue, and emergency access | | | |
| Store floor is impermeable. | | | |
| Efficient air conditioning | | | |
| Safety equipment are available | | | |

| | | | |
|--|-----------|---------------|-------|
| The walls are covered with insulating and non-flammable materials | | | |
| Precautions and warning boards are available | | | |
| Water source is available | | | |
| Animal shelter is clean | | | |
| Animals cages are put on shelves properly | | | |
| Appropriate and safe corridors are available inside the store | | | |
| Appropriate space is available | | | |
| There is first aid kit available and placed in reachable and obvious place | | | |
| Proper ceiling design to ensure good exit opening for vapors and heat | | | |
| The shelter room walls are made up of glazed, fire resistance materials and meet the technical requirements | | | |
| The shelter is only used for animals impounding | | | |
| The shelter is secured, and only authorized personnel are allowed to enter and use it | | | |
| The shelter location meets the technical requirements | | | |
| Animal feed is available and in good conditions | | | |
| Animals feeding tools and equipment are available and in good working conditions | | | |
| There are no food items or any other items that can be used for other purposes rather than stray animals impounding | | | |
| There is no heat or intense lighting sources in the shelter | | | |
| Emergency numbers are available, ambulance, civil defense | | | |
| Electrical wires are isolated and covered in good manner and as per the standards | | | |
| There is wall surrounding the store from all directions | | | |
| Vehicle | | | |
| Check elements | Compliant | Non-compliant | Notes |
| Stray animals' transportation vehicle is available | | | |
| There are specialized cages for keeping animals and are in good working conditions as per the technical requirements | | | |
| The company logo is available on the vehicle | | | |
| The passenger's cabinet is completely spate from the loading box | | | |
| Cages are kept in good manner on shelves inside the vehicle | | | |
| The vehicle is designed to transport stray animals only | | | |
| The vehicle has apparent label indicates that the vehicle is used for transporting animals | | | |
| The vehicle equipped with GPS device as per the technical requirements | | | |
| GPS records proof that the company vehicle(s) have been in line with Tadweer requirements | | | |
| PPE are available in the vehicle | | | |

| | | | |
|---|--|--|--|
| PPE are kept in separate and isolate places | | | |
| Tools, machines and equipment are kept in designated and well organized and separate places | | | |
| There is a good air conditioning system | | | |
| There are proper shelves to hold the cages | | | |

Annex 5: Checklist for Tadweer technical requirements for obtaining Permit to practice Stray Animals Impounding Services

| List of required documents for technical requirements – to be submitted with full permit applications | | | |
|---|---|---|-------|
| | Required documents | Conditions | Notes |
| Supervisor – minimum 1 | | | |
| 1 | Copy of Degree certificate | 1- The certificate must be at secondary school grade 12 or equivalent 2- The certificate must be attested 3- Original certificate must be available along with transcript or mark sheet and to be presented whenever it is needed | |
| 2 | Copy of Experience certificate | Experience certificate at least for two year in the field of stray animal impounding | |
| 3 | Visa copy | 1- For non- local supervisors the visa copy must be sponsored by the applicant company 2- Visa must be valid 3- Issued from Abu Dhabi Emirate 4- The profession name must be supervisor | |
| 4 | Zoonotic diseases vaccination certificate | 1- The certificate must be issued from recognized local medical facility 2- The certificate must be valid 3- Original certificate must be available to be presented whenever it is needed | |
| Pest control technicians – minimum 2 | | | |
| 5 | Copy of Degree certificate | 1- The certificate must be at secondary school grade 12 or equivalent 2- The certificate must be attested 3- Original certificate must be available along with transcript or mark sheet and to be presented whenever it is needed | |
| 6 | Copy of Experience certificate | Experience certificate at least for one year in the field of stray animal impounding | |
| 7 | Visa copy | 1- For non- local supervisors the visa copy must be sponsored by the applicant company 2- Visa must be valid 3- Issued from Abu Dhabi Emirate The profession name must be pest control worker | |
| 8 | Zoonotic diseases | 1- The certificate must be issued from recognized local | |

| | | | |
|---|---|--|---|
| | vaccination certificate | <p>medical facility</p> <p>2- The certificate must be valid</p> <p>3- Original certificate must be available to be presented whenever it is needed</p> | |
| Vehicle | | | |
| 9 | Copy of the vehicle ownership card | The vehicle must be owned by the company. if the vehicle is rented a copy of the rent contract is required | All technical specifications and requirements as mentioned in the technical guidelines will be checked through field inspection |
| Animal shelter | | | |
| 10 | Animal shelter location | A google map print out that shows the directions from Tadweer toward the shelter. | All technical specifications and requirements as mentioned in the technical guidelines will be checked through field inspection |
| TNR | | | |
| 11 | TNR method statement | One document that explains the procedures and methods that are using the and meeting the TNR standard | |
| 12 | Evidences of complying with the TNR | copy of all transactions with hospital must be available | |
| Contract with neutralization approved facility | | | |
| 13 | Copy of contract with Falcons hospital | The contract must be valid at least for six months ahead and approved | |
| Tadweer permit for public health pest control | | | |
| 14 | Copy of Tadweer permit for public health pest control | Valid contract | |