

| Section 9 – Provision C.9 Pesticides Toxicity ControlsC.9.a. ► Implement IPM Policy or Ordinance | X | Yes | No |
|---|---|-----|----|
| Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures? If no, explain: Not applicable. Comments: <ul style="list-style-type: none"> IPM Coordinator and the City's IPM Task Force regularly reviewed the list of products used for landscape and structural application based on industry and/or legislation updates, less-toxic alternatives and result of scientific studies. Parks Maintenance staff routinely referred to the City's IPM policy and guidance when seeking pest solutions, particularly when making a decision to use a chemical. Early September 2017, the Task Force reviewed one case involving flea outbreak at the Heather Farm preschool (Studio H) which has been ongoing for several months. Children and teachers reported getting bitten by fleas despite efforts to combat the fleas using non-chemical methods. Infestations fluctuated up and down for several months causing parents to pull their children out of the program to avoid being bitten. Staff used non-chemical methods which included steam cleaning building interior and washing bedding materials inside preschool, installing expanded metal flashing around the building foundation to prevent animals that could harbor fleas from living underneath the building, replacing old sandbox and increasing irrigation as well as mowing preschool turf to discourage flea infestations in the turf. Unfortunately, none had worked to control the outbreak. The infestation continued and spread to other areas near the building. In October 2017 IPM Task Force agreed to add Azaguard and Essentria IC₃ to the City's 2017 Approved Products List under the emergency exemption process. These products are botanical-based, organic-certified, IMRI-certified, FIFRA 25(b) exempt insecticide that is approved for use in schools, hospitals, homes, restaurants, and kennels for the immediate control of broad range of insects including fleas. It carries a "Caution" signal word but due to its formulation and toxicity, it is not required to carry an EPA registration nor required a PCA recommendation. Staff will closely monitor flea populations and ask feedback from the building users if the control measure is effective. In November 2017, the flea population remained high. Staff made additional landscape modifications to Studio H building to prevent host animals from residing. IPM Task Force approve using the mix of Essentria IC₃ and Nyguard IGR to control fleas outdoor. Nyguard is a product for indoor and outdoor applications at schools and food handling facilities. Additionally, staff was allowed to use Alpine Flea and bedbug spray for carpeted and upholstered surfaces inside the building. All products carries a "Caution" signal word. Based on monitoring done in Spring 2018, the outbreak seemed to be under control. There was no sighting or bites from fleas reported by children or teachers. Staff continued to run minimal irrigation cycles in the turf to minimize the viability of flea eggs. Custodial staff continues to vacuum rugs, carpets and couches frequently to remove flea eggs. | | | |



- Our Parks Maintenance Division converted an additional two acres of sports turf to hybrid Bermuda grass. This conversion has the potential of decreasing our dependence on broadleaf herbicides and insecticides due to the turf ability to grow stronger and denser during the hot and dry period.

| Trends in Quantities and Types of Pesticide Active Ingredients Used ⁴² | | | | | | |
|---|------------------------------------|----------|----------|----------|----------|----------|
| Pesticide Category and Specific Pesticide Active Ingredient Used | Amount ⁴³ | | | | | |
| | FY 15-16 | FY 16-17 | FY 17-18 | FY 18-19 | FY 19-20 | FY 20-21 |
| Organophosphates | | | | | | |
| Active Ingredient Chlorpyrifos | 0 | 0 | 0 | | | |
| Active Ingredient Diazinon | 0 | 0 | 0 | | | |
| Active Ingredient Malathion | 0 | 0 | 0 | | | |
| Pyrethroids (see footnote #57 for list of active ingredients) | 0 | 0 | 0 | | | |
| Carbamates | | | | | | |
| Active Ingredient Carbaryl | 0 | 0 | 0 | | | |
| Active Ingredient Aldicarb | 0 | 0 | 0 | | | |
| Fipronil | | | | | | |
| Indoxacarb | | | | | | |
| | Reporting not required in FY 15-16 | 0 | 0 | | | |

⁴²Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁴³Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, and permethrin.

| | | | | | |
|---------------------------------------|------------------------------------|-------|--------|--|--|
| Diuron | Reporting not required in FY 15-16 | 0 | 0 | | |
| Diamides | Reporting not required in FY 15-16 | 0 | 0 | | |
| Active Ingredient Chlorantraniliprole | | 48 OZ | 4.3 OZ | | |
| Active Ingredient Cyantraniliprole | | 0 | 0 | | |

IPM Tactics and Strategies Used:



- Our Parks Maintenance division didn't use any products containing diphacinone to control burrowing rodents. Diphacinone has been contributed to bird kills as a result of secondary poisoning. Burrowing rodents in the landscape were controlled by using Gophrex, a machine that produced and injected carbon monoxide gas into the burrowed holes.

- The flea outbreak case at Heather Farm preschool (in the prior section) highlighted our staff's efforts in exhausting all possible means before using more toxic chemicals. Staff sent samples to a lab to identify the flea species and which animals they were associated with. They establishing a threshold of the infestation. At its peak in July 2017, 20-25 fleas were observed on an 8.5"x11" white piece of paper. Other non-chemical used included steam cleaning of the interior, made landscape modifications, installation of barrier around the foundation to prevent host animals from residing, removal of old sandbox and mowing nearby turf.

- The integrated pest management (IPM) treatment reports provided by the City's contract pest applicator (Terminix) were shared with building occupants. This report contained the inspection summary, pest(s) being monitored and if any, action taken and recommendations. Building users were encouraged to maintain good sanitation practices by putting food stored at work inside ant- and rodent-proof containers, manage waste properly and report pest problems if encountered.

| C.9.b ► Train Municipal Employees | |
|---|------|
| Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year. | 15 |
| Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year. | 40 |
| Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year. | 100% |
| Type of Training: <ul style="list-style-type: none"> • Parks Maintenance staff received annual pesticide training on the N series and integrated pest management. They reviewed the approved product labels and SDS sheets. • IPM Coordinator holds a Qualified Applicators Certificate and attended both PAPA and CAPCA seminars annually. | |

| C.9.c ► Require Contractors to Implement IPM | | | |
|---|---|-----|-----|
| Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control? | X | Yes | No |
| If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used? | X | Yes | No, |
| If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored: <ul style="list-style-type: none"> • Both Terminix and Terracare, pest applicator contractor, were provided with the City's IPM policy and guidelines as part of their contract. Contractors provided copies of their IPM certificates to the City. • IPM Coordinator reviewed pest monitoring reports and approved treatment plans before any actions took place. Contractors were asked to implement habitat modifications and physical traps as their first line of actions. • Contractors provided application reports to the City upon request. Terminix sent their application report electronically after each visit. Refer to Attachment C.9.c for a copy of the contractor's application report. | | | |
| If your agency did not evaluate the contractor's list of pesticides and amounts of active ingredients used, provide an explanation. Not applicable. | | | |

| C.9.d ▶ Interface with County Agricultural Commissioners | | Yes | No |
|--|--|-----|----|
| Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides, | | X | |
| If yes, summarize the communication. If no, explain. The County Department of Agriculture inspected the City's Corporation Yard annually to grant the City's Operator Identification number. The inspection included verification of proper pesticides storage, application and if the record keeping regulation was being followed. | | | |
| Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire. | | Yes | No |
| If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary. Not applicable. | | X | |

| C.9.e.ii (1) ▶ Public Outreach: Point of Purchase | |
|--|--|
| Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report): OR reference a report of a regional effort for public outreach in which your agency participates. | |
| Summary: | |
| <ul style="list-style-type: none"> Refer to C.9 Pesticides Toxicity Control section of CCCWP's FY 17-18 Annual Report for information on point of purchase public outreach conducted countywide and regionally. At the regional level, public outreach at point of purchase was conducted as part of "Our Water, Our World" campaign, promotion of Rescuee California, promotion of PAPA's Integrated Pest Management seminar and CCCWP social media campaign. In February 2018, one staff from the City's Open Space Division attended the Bay-Friendly Maintenance Training and Qualification, which was offered by Rescuee California. A few topics covered in this training included water conservation, soil management, landscaping with native sods, sheet mulching, landscaping for wildlife, recognizing and controlling invasive plants, composting and more. | |

C.9.e.ii.(2) ▶ Public Outreach: Pest Control Contracting Outreach

Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); **AND/OR** reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.

Summary:

- Refer to C.9 Pesticides Toxicity Control section of CCCWP's FY 17-18 Annual Report for information on point of purchase public outreach conducted countywide and regionally.
- During Earth Day last April, we provided information about hiring an eco-certified pest controller to participants. We directed them to check out the [countywide Pesticides Linger campaign](#) webpage. Flea controls were among the more popular questions asked during this event.

C.9.e.ii.(3) ▶ Public Outreach: Pest Control Operators

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **AND/OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary:

Refer to C.9 Pesticides Toxicity Control section of CCCWP's FY 17-18 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

C.9.f ▶ Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 17-18, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees."



EAST BAY COMMERCIAL
32970 ALVARADO NILES ROAD
#708
UNION CITY, CA 94587
(800) 837-6464

**Commercial Integrated Pest Management Treatment
Master Agreement #: i86734-000104523
Work Order #: 15226303271**

| | | | |
|---|-----------------------------------|--|---|
| Customer Name: WALNUT CREEK COMM CTR | Home Phone: | Service Technician: CAMINS, ROLAN | Date/Time In: 04/11/2018 11:24AM |
| Contact Name: JEFF JOLIVETTE | Work Phone: (925) 256-3551 | Employee Number: 86734 | Date /Time Out: 04/11/2018 11:50AM |
| Customer #: 402444 | Cell Phone: | License/Cert #: | Page: 1 |
| Sales Agrmt #: 16567110 | E-mail Address: | Supervisor Name: ANAYA, SYLVIA S. | |
| Service Address: 1375 CIVIC DR WALNUT CREEK, CA 94596 | Frequency: Monthly | Supv.License/Cert #: FR30471 | |
| Billing Address: 1666 NORTH MAIN WALNUT CREEK, CA 94596 | Customer Since: 11/14/16 | Service Type: Regular | |

General Information:

| Work Order Summary | Work Order # | Total Areas | Areas Inspected | Total Zones | Zones Inspected | Total Svc Pts | Svc Pts Inspected | Total Devices | Devices Inspected |
|--------------------------------------|--------------|-------------|-----------------|-------------|-----------------|---------------|-------------------|---------------|-------------------|
| Integrated Pest Management Treatment | 15226303271 | 2 | 2 | 0 | 0 | 3 | 3 | 1 | 1 |

| SERVICE POINT INSPECTION SUMMARY | | | | | | | PEST SUMMARY | | | | |
|----------------------------------|----------|-----------|----------|---------|-----------------|-----------------|--------------|------------|--------------|---------------|-----------------|
| Service Point Summary | Existing | Installed | Replaced | Removed | Changed Barcode | Total Inspected | Live Found | Dead Found | New Activity | Evidence Only | Evidence Type * |
| Aegis Rat Station | 1 | 0 | 0 | 0 | 0 | 1 | None | None | None | None | N/A |
| Baseboard | 1 | 0 | 0 | 0 | 0 | 1 | None | None | None | None | N/A |
| Exterior light area | 1 | 0 | 0 | 0 | 0 | 1 | None | None | None | None | N/A |

*EVIDENCE TYPE: BEG=Bird Eggs BFE=Bird Feathers BNM=Bird Nesting Materials BPT=Body Parts BSP=Blood Spots DMG=Damage DMP=Damaged Product DRP=Droppings EC=Egg Casings
FDG=Feeding FR=Frass FSP=Fecal Spots FTP=Footprints GAL=Galleries GNW=Gnawing H=Hair HLS=Holes NST=Nesting Material O=Odor SM=Smear SSK=Shed Skins ST=Shelter Tubes T=Trails
U=Urine

Current Findings and Action Plan by Service Area and Zone

| EXTERIOR | | | |
|-------------------------|----------------------------|--|----------------------------------|
| PESTS OR EVIDENCE FOUND | FINDINGS/CONDITIONS | ACTIONS TAKEN | RECOMMENDATIONS |
| | No Contributing Conditions | Inspected and Applied Treatment- see service ticket for details on treatment applied and follow up recommendations | No recommendations at this time. |
| OFFICES | | | |
| PESTS OR EVIDENCE FOUND | FINDINGS/CONDITIONS | ACTIONS TAKEN | RECOMMENDATIONS |
| | No Contributing Conditions | Inspected and Applied Treatment- see service ticket for details on treatment applied and follow up recommendations | No recommendations at this time. |

Service Point Inspection Details

| Area Service Point | Time Inspected | Activity | Pests/Evidence | Conditions | Comments/Actions |
|--------------------|----------------|----------|----------------|----------------------------|---|
| EXTERIOR | | | | | |
| Aegis Rat Station | 11:34 AM | None | | No Contributing Conditions | Inspected; Inspected and Applied Treatment- see service ticket for details on treatment applied and follow up recommendations |
| Exterior | 11:35 AM | None | | No Contributing Conditions | Inspected; Inspected and Applied Treatment- see service ticket for details on treatment applied and follow up recommendations |
| OFFICES | | | | | |
| Baseboard | 11:33 AM | None | | No Contributing Conditions | Inspected; Inspected and Applied Treatment- see service ticket for details on treatment applied and follow up recommendations |

Material Usage:

| First Strike Soft Rodent Bait | Pests Targeted | Post Treatment Precautions |
|--|----------------|--|
| Active Chemical : DIFETHIALONE 0.0025% EPA Reg #: 7173-258 Treatment: Bait Placement Applied Amount: 3,000 Each (30 gm) Equipment: Tamper-Resistant Station | Norway Rat | Keep out of reach of children and pets. Do not tamper with or touch rodent traps Do not touch treated areas until dry. |
| Areas Inspected/Treated | | |



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Commercial Integrated Pest Management Treatmnt
Master Agreement #: i86734-000104523
Work Order #: 15226303271

EXTERIOR - Aegis Rat Station

Comments

IPMREG - GENERAL PEST CONTROL

Customer
Signature:

Juvenla

Date:

4/11/2018

Service Technician
Signature:

Rolan Camins

Date:

4/11/2018

juveenla Illarenaz

ROLAN CAMINS