

## **FOOD HYGIENE AND HYGIENE EDUCATION**



One Thousand and One Hundred and Sixty (1160) food premises were inspected by officers of the Environmental Health and Sanitation Unit of the Tema West Municipal Assembly, for the purposes of ensuring that, operators comply with food safety/hygiene standard for food establishment. Seventy-four (74) abatement notices were served on sanitary offenders.



Observations made:

- Improper storage of utensils
- Some food premises did not have a sanitary facility for customers
- Some food vendors were operating without being medically certified to handle food
- Improper disposal of waste especially the used tissues from the handwashing facility and disposable facemasks by business operators was also observed.
- Some food premises did not keep their cooking area tidy.
- Uncovered refuse bins allowing flies on the refuse

Action taken:

- Food vendors were sensitized on the proper storage of their utensils
- Food vendors were sensitized the need to acquire sanitary facility to prevent any cholera outbreak.

- Food vendors without health certificates were stopped from selling and made to undergo health screening to be certified before handling food
- Food vendors were sensitized on proper waste disposal especially used facemasks.
- Food vendors were sensitized on the need to keep their cooking area clean and safe when preparing food for human consumption
- Refuse bins must be covered properly to prevent flies from settling on the refuse
- Abatement notices were also served to some food premises

Follow-up:

- Summons were served to food premises who did not comply with the abatement notices

### **School Hygiene**

Fifty-six (56) schools comprising ten (10) public schools and forty-six (46) private schools have been inspected and hygiene promotion activities undertaken.



Observation:

- Some private schools were untidy at the time of inspection and having defective inspection chambers.

- Some of the public schools were untidy at the time of inspection and some pupils practiced open defecation since the toilets had broken down.
- The public schools had issues with their institutional toilets; stolen pumps due to lack of or no security within the schools, irregular flow of water making it difficult to flush the toilets.
- Some public schools' toilets were locked due to irregular flow of water.

Action taken:

- The owners of the schools were advised to fix the defective chamber and register with approved service providers for the collection of their waste.
- The headmaster and teachers were advised to educate the children on the effects on practicing open defecation.
- Recommendation on the construction of a fence wall for the schools was made to management to protect the asset of the schools.
- Management has been informed of the water situation in the schools
- **Health Promotion**
- Sensitization on personal hygiene, good sanitary practices and food hygiene was undertaken for one thousand three hundred and thirty-five (1335) participants. One thousand two hundred and seventy-nine (1279) women and fifty-six (56) men comprising of market women and men, business operators, drivers, traders and community members. This sensitization was undertaken in all the electoral areas to ensure that participants practice personal hygiene and good sanitary practices.
- **HEALTH CERTIFICATION**
- Food handlers/vendors within the municipality were taken through medical examination and were certified before handling food for public consumption. Health Screening was organized for Five Hundred and Twenty (520) food vendors in the Municipality comprising of Four Hundred and Twenty-Two (422) women; ninety-eight (98) men. Out of Five Hundred and Twenty (520) screened food vendors, Twenty-three (23) food vendors had

medical issues such as typhoid, hepatitis B. They were made to undergo treatment and a review before they were certified to handle food.

- New entrants = 212
- Renewals = 308
- **Total = 520**

### **ARREST OF STRAY ANIMALS**

Complaints of stray animals such as goats, dogs, sheep and cattle causing destruction of properties, traffic, noise pollution and nuisance to community members were reported. Some owners of these stray animals were advised to relocate them while the recalcitrant ones were prosecuted cases in court.

### **PROSECUTION OF SANITARY OFFENDERS**

Two Hundred and Thirty-Five (235) notices were served on conditions of abatement with one Hundred and Thirty-Six (136) of the notices have been complied with.

Ninety-nine (99) sanitary offenders have been served with court summons, thirty-two (32) cases have been successfully prosecuted and Sixty-seven (67) cases pending.

The following were the common nuisances found in most of the communities within the Municipality;

- Insanitary waste water disposal
- Discharge of effluent into open drains
- Display and Sale of expired foods
- Noise nuisance
- Indiscriminate dumping of refuse
- Growth of weeds

Court actions were taken against defaulters of sanitation bye-laws to ensure protection and standard enforcement.

## CHALLENGES

- Inadequate and appropriate Law books to equip prosecution unit
- Lack of computer and photocopy machine for processing of documents for court proceedings

## ROUTINE CLEANSING OF MARKETS, STREETS, LORRY PARKS AND DRAINS



Cleansing of Markets, Lorry parks, principal streets and drains were done daily across all the electoral areas within the Municipality. This was done to ensure public places were cleaned daily. Markets are swept, cleared of refuse very early in the morning and daily before the traders and market women start transacting businesses. The Lorry parks and streets are also swept and cleared of refuse. The 'Operation Clean Your Frontage' Compaction truck is being used in the clearing of refuse along the principal streets within the Municipality.



Desilting of choked drains within Community 2 (BBC) areas were also undertaken within the second quarter of 2022.



## CHALLENGES

- Inadequate sweepers spread across the Municipality for effective cleaning of major streets.
- Inadequate sanitary tools for use in cleaning the Municipality.
- Generating of excessive waste filling up the communal container within a short period making the refuse spill onto the floor.



## **ENVIRONMENTAL ENHANCEMENT PROGRAMMES**

### **Tree Planting Exercise**



In 2022, the Tema West Municipal Assembly participated in the 2022 Green Ghana Day where the Assembly secured 10,000 tree seedlings from the Forestry Commission, planted 8000 seedlings at the Ramsar Site, Sakumono and distributed the rest to community members within each Electoral Area.



## **REPORT ON GREEN GHANA PROJECT WITHIN THE MUNICIPALITY**

As part of Assembly's effort in supporting Government's initiative in protecting the natural environment, the Tema West Municipal Assembly in collaboration with the Forestry Department and other key stakeholders is undertaking a tree planting exercise for the year 2022 "Green Ghana Day". The Assembly's target for this year was to plant 5,000 tree seedlings within the Municipality.

The exercise (i.e. planting of trees) was scheduled to begin from 10th of June, 2022 which also marked the 2022 Green Ghana Day.

On the 10<sup>th</sup> of June, 2022, the Municipal Chief Executive launched the 2022 ceremonial tree planting in the Municipality to mark the Green Ghana Day. Tree seedlings were planted along the road avenue of the 4<sup>th</sup> Avenue-Collins Dauda Road and the Sakumono TWMA Basic School. In all, five thousand (5,000) seedlings comprising of acacia, mahogany, militia, vishia palm, orange and coconut were planted along the avenue of roads, road medians, sakumono beach road, individual homes, schools and the Ramsar site, Sakumono within the Municipality.

## **Noise Pollution Control**

Seven (7) complaints have been received on noise pollution within the Municipality. Noise pollution from drinking bars, pubs, churches amongst others have been received and attended to. Notices of abatement were served on them and three (3) were summoned to court for non-compliance.

## **WASTE MANAGEMENT**

### **7.1 Liquid Waste Management**

Activities undertaken on liquid waste management in the second quarter 2022 include; provision of toilet facilities, routine maintenance of blocked sewer pipes, replacement of outdated sewer pipes and distribution of sewer bills to residents connected to the central sewage system.

Parts of the Assembly (Community 2, 3, 5 and part of Sakumono) is connected to a centralized sewage system which are connected to the two pumping stations at Communities 2 and 5 which are being used by both Tema Metropolitan Assembly and Tema West Municipal Assembly. The Assembly also has a septage treatment plant Borteyman which is currently closed down so temporarily, cesspit operators dislodge at the Pumping stations.

## **HOUSEHOLD TOILET PROMOTION**

Several strategies have been employed by the Assembly to ensure that all the residents have access to improved sanitation facilities. The overall objective is to ensure the provision of clean, safe and healthy Municipality for the inhabitants. Some of these strategies includes;

- Intensification of community sensitization especially along the beach area on the dangers associated with ‘open defecation’.
- Ensuring that all landlords have acquired development permit and toilets indicated in the design before approval.
- Strengthening of Development Controls
- Strict enforcement of the Bye-laws on environmental sanitation including prosecutions at the sanitation court.

Intensification of community sensitization especially within the low-income communities and squatter communities on the dangers associated with ‘open defecation’ have been undertaken.

Landlords, tenants, home owners have been sensitized on the importance of acquiring a toilet facility in their homes. Two hundred and eighty-two (282) household toilet facilities have been constructed within the Municipality. Nineteen (19) out of the eighty-two of the toilets have been constructed under the GAMA Sanitation and Water project.

### **MONITORING OF DISLODGING ACTIVITIES BY CESSPIT OPERATORS**

The unit monitored the activities of cesspit operators within the Municipality. Due to the closure of the treatment plant at Borteyman, the operators use the pumping station at Community 5 for dislodging of the liquid waste.

### **CHALLENGES**

- Inadequate Logistics to work effectively and efficiently
- Difficulty in accessing some of the pipelines since resident have built structures on some of the pipe lines.
- Lots of complaints received for the discharge of waste water and effluent water by residents using their own septic tanks.

### **CONCLUSION**

Work done is satisfactory but more work needs to be done especially for communities and residents using septic tanks.

### **Solid Waste Management**

Activities undertaken on solid waste management in the second quarter 2022 include; monitoring of communal container sites, monitoring and evaluation of service providers activities, refuse evacuation and operation clean your frontage.

Solid waste collection that is house to house refuse collection has been franchised to six (6) private service providers to collect, transport and dispose the refuse at the final disposal site. The Assembly has seven (7) communal container sites which are managed by Zoomlion Ghana Limited under the Sanitation Improvement Package and supervised by the Environmental Health and Sanitation Unit.

Solid waste collection and transportation within the Municipality has been franchised to private waste service providers. The Tema West Municipal Assembly has engaged the services of six (6) solid waste collection contractors. These service providers include Meridian Waste Management, Zoomlion Ghana Limited, Asadu Royal Seed and Waste Management Limited, J Stanley Owusu and Company Limited, Gamma Betta Waste Management and Asibod Waste Management.

The municipality has been zoned into ten (10) zones which comprises Electoral Areas and Communities within the municipality.

- Zone 1 - Community 2
- Zone 2 - Community 3
- Zone 3 - Community 5
- Zone 4 - Sakumono
- Zone 5 - Wolei Electoral Area
- Zone 6 - Lashibi, Community 16, 17
- Zone 7 - Community 18, 19, 20
- Zone 8 - Baatsona
- Zone 9 - Klagon
- Zone 10 - Adjei Kojo, Kanewu, Suncity

Table 1.0: Service Providers and their service zones

<b>NO.</b>	<b>SERVICE PROVIDER</b>	<b>ZONES</b>
1.	Meridian Waste	2,6,9
2.	Zoomlion Ghana Limited	4,5
3.	J Stanley Owusu & Company Limited	1
4.	Asadu Royal Seed and Waste	3,8
5.	Asibod	7
6.	Gamma Betta	10

Source: TWMA, 2020

Table 1.0 shows the designated zones that each waste service provider works within the Tema West Municipal Assembly.

## **MONITORING AND EVALUATION REPORT OF SERVICE PROVIDERS FOR SECOND QUARTER 2022**

### **Asadu Royal Seed and Waste Management Company**

Asadu Royal Seed and Waste Management provides door to door services for Community 5 and Baatsona residents both domestic and commercial within the Municipality. The service provider has distributed bins to residents for waste storage and disposal and has four operational compaction trucks which picks 18 tons per truck and 72 tons per week for the four trucks. The service provider has a client base of One Thousand Seven Hundred and Twenty-seven (1727) subscribers. Services are provided once a week to all areas within the service zones. Waste collected are sent to the Kpone Landfill site for final disposal.

### **Asibod Waste Management**

Door to door services is provided in Community 18, 19 and 20 within the Municipality. The service provider has distributed bins to residents for waste storage and disposal and has three (3) operational compaction trucks which picks an average of 10 tons per truck/trip per week. Even though services provided are irregular, they are provided once a week to all areas within the service zones. One thousand two hundred and fifteen (1215) subscribers have registered for the services of this service provider.

### **J Stanley Owusu and Company Limited**

The service provider offers door to door service in the Halcrow and Kassadjan Electoral areas in Community 2. Service in community two has progressively improved over the period including areas such as client coverage, providing all-inclusive services and working together with stakeholders to ensure a clean community. The service provider has a client base of One Thousand Four Hundred and Twenty-four (1424). A total trip of 14 and a total average tonnage of 315 are recorded each week towards our operation in the community. Waste collected are sent to the Kpone and Nsumia Landfill site for final disposal.

### **Gamma Betta Waste Management**

The service provider offers door to door service in the Adjei Kojo, Kanewu, Suncity, Hopeland and Promiseland. Service in these service zones has seen a slight improvement over the period. The community is still developing and the road network is also not in good shape affecting the growth and increase in patronage of the service providers' services. The service provider has a client base of four hundred and twenty-eight (428). The service provider has one (1) compaction truck that picks 36 tons/week, three (3) skip trucks that picks 6 tons/week and three (3) Borla trucks that picks 1 tons of refuse per week.

### **Meridian Waste Management Limited**

Meridian Waste Management Limited provides door to door services for Community 3, Community 5 church village, Community 16, Community 17, Klagon and Borteyman residents both domestic and commercial within the Municipality. The service provider has distributed bins to residents for waste storage and disposal and has four operational compaction trucks which picks an average of 10 tons per truck/trip. Even though services provided are irregular, they are provided once a week to all areas within the service zones. Some of their trucks broke down leading to a delay in the collection of refuse within the service zones. The service provider has a client base of one thousand five hundred and fifty-five (1555).

### **Zoomlion Ghana Limited**

Zoomlion Ghana Limited provides door to door services for Sakumono Estates and Wolei Electoral area residents both domestic and commercial within the Municipality. The service provider has distributed bins to residents for waste storage and disposal and has four operational compaction trucks which picks an average of 10 tons per truck/trip. Even though service provided are also irregular, they are provided once a week to all areas within the service zones. The service provider has a client base of two thousand and forty-six (2046).

## **Challenges**

- Long queue at the Kpone dump site causing delay in service delivery.
- Complaints of irregular service provision leading to the use of the tricycle operators
- Lack of cooperation from Households to register and to make payment
- Bad nature of roads within some communities also disturbs the smooth collection of wastes.
- Residents' unwillingness to pay for refuse collection fee.

## **MONITORING AND MAINTENANCE OF COMMUNAL CONTAINER**

Monitoring and Maintenance of the Seven (7) Communal/Central containers sites at Community 2, Temasco, Sakumono Village, Texpo Market, Adjei Kojo No 1, Adjei Kojo No 2 and Kanewu under the Sanitation Improvement Package is undertaken routinely. Conditions of the Community 2, Temasco, Texpo Market, Adjei Kojo No 1 and Adjei Kojo No 2 sites are clean while the Sakumono and Kanewu sites are in a bad state.

Indiscriminate dumping of refuse on unapproved dump sites (especially along the Motorway and on undeveloped lands) is still a nuisance within the Municipality. Piling of refuse on the floor at the Texpo Market by Market women and traders when the container is full and after the container has been lifted makes the market dirty and sometimes full of filth.

## **PLASTIC WASTE MANAGEMENT**

To curb the menace of plastic waste within the Municipality, the Assembly has partnered with Asaase Foundation a not-for-profit organization to tackle the plastic waste problem by increasing collection and recycling rates while creating socio-economic benefits to the local community.



The project seeks to develop/ reinforce reward-for-recycling scheme in the communities, build new plastic recycling factories and support the development of end-market solutions.

The target group of the project is to individuals working in the informal waste treatment sector (waste collectors & middle-women & men), with a special focus on female collectors, residents, businesses, students and teachers at schools via school recycling program, and faith-based communities via Church recycling program, Female entrepreneurs that operate the recycling business and collection points and local business owners in the value chain (plastic packaging and products) in Accra

Sensitization and public education of community members within the Municipality has been undertaken and the trading of plastic waste has also commenced.



## FUMIGATION EXERCISE



Disinfection and disinfestation exercises of twenty-one (21) areas such as markets, lorry stations, public toilets, and cholera prone areas were undertaken within the Municipality. The list and date of the exercises have been provided in the disinfection table.



## **LARVICIDING**

Larviciding activities have been undertaken in all container sites to reduce the mosquito population density in order to decrease the rate of malaria transmission. Some mosquito breeding sites at Kanewu and Adjei Kojo High Tension last stop were identified and destructed.

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