

## 1.7 Survey Results

### 1.7.1 Rainy Season

The season lasted from Monday 30th November 2009 to Monday 7<sup>th</sup> December 2009.

#### (1) Survey Team

Truck No:	Surveyors	Category	Garbage Collector	Truck Type	Routes
1	Wilfred Kariuki	CCN	City Council of Nairobi	10 ton Nissan Diesel, KAW 732Z	CBD
2	Chris Mwangi	CCN	City Council of Nairobi	8 ton Nissan Diesel, KAW 743Z	Lang'ata
3	Kennedy Kijana	Private	Simple Garbage	4 ton Bedford, KPB 307	CBD, Milimani
4	Martin Murimi	Private	Zoa Taka	3 ton Mitsubishi, KAD 891S	CBD, Milimani, Industrial area
5	Wilfred Kariuki	Private	Bins Nairobi Services	7 ton Iveco , KAM 019E	Makadara
6	Martin Murimi	Private	Garbage	8 ton Mitsubishi Fuso, KAM 906Z	Embakasi, Lang'ata
7	Chris Mwangi	CCN Subcontracted	Dorkam Enterprises	9 ton Mitsubishi, KWD 632	Kasarani, Milimani
8	Kennedy Kijana	CCN Subcontracted	Jesker	5 ton Isuzu, KAC 088J	Milimani

#### (2) Survey Schedule

##### Week 1

Truck Details					Day											
Area	Truck	Registration	Make	Ton	1	2	3	4	5	6	7	8	9	10	11	12
					M	T	W	T	F	S	S	M	T	W	T	F
CBD	CCN1	KAW 732Z	Nissan Diesel	10ton	•	•	•	•	•	•						
Langata	CCN2	KAW 743Z	Nissan Diesel	8ton	•	•	•	•	•	•						
CBD	Simple Garbage	KPB 307	Bed Ford	4ton	•	•		•	•	•		•				
CBD	Zoa Taka	KAD 891 J	Mitsubishi	3ton	•	•	•	•	•	•						

##### Note

1. The four trucks selected commenced their routes on Mon 30<sup>th</sup> Nov and ended on Mon 7 Dec 2009
2. Simple Garbage truck broke down on the third day. This was compensated into the following week

##### Week 2

Truck Details					Day											
Area	Truck	Registration	Make	Ton	1	2	3	4	5	6	7	8	9	10	11	12
					M	T	W	T	F	S	S	M	T	W	T	F
Makadara	Bins Nairobi Services	KAM 019 E	Iveco	7ton	•	•	•	•	•	•						
Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso	8ton	•	•	•	•	•		•					

Truck Details					Day											
Milima ni	Dorkam Enterprises	KWD 632	Mitsubishi	9ton			•	•	•	•				•	•	
Milima ni	Jesker	KAC 088J	Isuzu	5ton		•	•	•		•		•	•			

**Note**

1. Only two trucks (Bins Nairobi Services & Garbage.Com) i.e. on Mon 7 Dec 2009
2. The last day of survey was Thu 17<sup>th</sup> Dec 2009

### (3) General Information

#### 1) Results of Weekly Operation

#### Truck 1 – City Council of Nairobi, 10 ton Nissan Diesel, KAW 732Z

Truck 1 City Council of Nairobi				10 ton, Nissan Diesel KAW 732Z
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
30-Nov-2009 Mon	Trip 1 (CBD)	11 collection points	4110	<ul style="list-style-type: none"> <li>• Main collection done in downtown</li> <li>• Mostly foods and domestic wastes</li> <li>• Challenges of parking within the town centre</li> </ul>
	Trip 2 (CBD)	1 collection point	-	<ul style="list-style-type: none"> <li>• Main collection done at the city centre</li> <li>• Mostly general office waste and public wastes</li> <li>• No dumping for the day</li> <li>• Truck went to garage with collected garbage</li> </ul>
1-Dec- 2009 Tue	Trip 1 (CBD)	7 collection points	3370	<ul style="list-style-type: none"> <li>• Main collection done in downtown</li> <li>• Mostly foods, domestic and industrial wastes</li> <li>• Human waste visible</li> </ul>
	Trip 2 (CBD)	1 collection point	3870	<ul style="list-style-type: none"> <li>• Main collection done in uptown market</li> <li>• Mostly organic waste and rotten fruits</li> </ul>
2-Dec- 2009 Wed	Trip 1 (CBD)	8 collection points	-	<ul style="list-style-type: none"> <li>• Main collection done in downtown</li> <li>• No fuel available from appointed supplier due to outstanding fuel bills</li> <li>• Mostly foods and domestic wastes</li> <li>• No dumping, truck went to garage for overnight stay with collected garbage</li> </ul>
3-Dec- 2009 Thu	Trip 1 (CBD)	-	4680	<ul style="list-style-type: none"> <li>• There were no fueling delays</li> <li>• Truck refueled and went straight to the dumpsite</li> </ul>
	Trip 2 (CBD)	6 collection points	-	<ul style="list-style-type: none"> <li>• Main collection done in down town lanes</li> <li>• Mostly domestic, industrial and general public waste</li> <li>• No dumping, truck went to garage for overnight stay with collected garbage</li> </ul>
4-Dec -2009 Fri	Trip 1 (CBD)	6 collection points	5640	<ul style="list-style-type: none"> <li>• Main collection done in down town / fire station</li> <li>• Truck refueled</li> <li>• Mostly domestic, industrial and general public waste</li> <li>• The wastes at the fire station notably wet and had lots of spills</li> </ul>
	Trip 2 (CBD)	4 collection points	4100	<ul style="list-style-type: none"> <li>• Main collections done in uptown streets</li> <li>• Mainly foods, general public and office wastes</li> <li>• Bulk collection points which includes market place</li> </ul>
5-Dec -2009 Sat	Trip 1 (CBD)	6 collection points	4150	<ul style="list-style-type: none"> <li>• Main collections done in uptown streets</li> <li>• Mainly foods, general public and office wastes</li> <li>• Half day operations</li> </ul>

Truck 2 – City Council of Nairobi, 8 ton Nissan Diesel, KAW 743Z

Truck 2 City Council of Nairobi				8 ton, Nissan Diesel KAW 743Z
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
30-Nov -2009 Mon	Trip 1 (Langata)	6 collection points	5210	<ul style="list-style-type: none"> <li>Roadside collections on a tarmac road with small pot holes</li> <li>Fueled on the way back to garage</li> <li>Mostly papers and general public wastes</li> <li>Use of fork jembe and open sack to collect garbage</li> </ul>
1-Dec- 2009 Tue	Trip 1 (Langata)	2 collection points	4070	<ul style="list-style-type: none"> <li>Mostly foods and general public wastes</li> <li>Part of garbage kept in concrete cubicles</li> </ul>
	Trip 2 (Langata)	1 collection points	2050	<ul style="list-style-type: none"> <li>Mostly foods, domestic and industrial wastes</li> <li>Drizzle in the afternoon</li> </ul>
2-Dec- 2009 Wed	Trip 1 (Langata)	4 collection points	-	<ul style="list-style-type: none"> <li>One of the collection point is next to a slum</li> <li>No fuel due to outstanding fuel bills at the selected fuel supplier</li> <li>Part of garbage kept in concrete cubicles</li> <li>Drizzled in the day</li> <li>No dumping, truck went to garage for overnight stay with collected garbage</li> </ul>
3-Dec- 2009 Thu	Trip 1 (Langata)	-	4220	<ul style="list-style-type: none"> <li>There were no fueling delays</li> <li>Foods and domestic wastes</li> <li>Truck refueled and went straight to the dumpsite</li> </ul>
	Trip 2 (Langata)	4 collection points	4010	<ul style="list-style-type: none"> <li>Mainly domestic waste</li> <li>Minimal traffic</li> </ul>
4-Dec -2009 Fri	Trip 1 (Langata)	6 collection points	5120	<ul style="list-style-type: none"> <li>Collection points includes a shopping centre</li> <li>Domestic and general public waste</li> <li>Mostly garbage found in central collection points</li> </ul>
5-Dec -2009 Sat	Trip 1 (Langata)	1 collection point	4460	<ul style="list-style-type: none"> <li>Truck refueled soon after departure from garage</li> <li>Mostly general public waste</li> <li>The wastes were sheltered under an iron sheet structure</li> </ul>
	Trip 2 (Langata)	6 collection points	2220	<ul style="list-style-type: none"> <li>Minimal traffic</li> <li>Mostly general public wastes</li> <li>Most of the wastes placed by the roadside</li> </ul>

Truck 3 – Simple Garbage, 4 ton Bedford, KPB 307

Truck 3 Simple Garbage				4 ton, Bedford KPB 307
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
30-Nov -2009 Mon	Trip 1 (CBD)	14 collection points	5480	<ul style="list-style-type: none"> <li>Most collection done in narrow streets of downtown</li> <li>Mostly foods wastes placed in bins and drums</li> <li>Assorted collection media such as polythene bags, sacks, gunny bags, sisal bags</li> <li>Delayed to collect point 6 due to heavy morning traffic jam just before 7a.m.</li> </ul>
	Trip 2 (CBD)	7 collection points	2010	<ul style="list-style-type: none"> <li>Busy roads</li> <li>Mostly general public and office wastes</li> <li>Point 4 was muddy and flooded with stagnant water</li> <li>Last collection point was a transfer at the garage from one of their trucks</li> </ul>
1-Dec- 2009	Trip 1	16 collection	3660	<ul style="list-style-type: none"> <li>Most collections done downtown</li> </ul>

Truck 3 Simple Garbage				4 ton, Bedford KPB 307
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
Tue	(CBD)	points		<ul style="list-style-type: none"> <li>General public waste and foods</li> <li>Garbage in drums, sacks and plastic bins.</li> <li>Refueled after 8th collection point and again just before journey to dumpsite</li> </ul>
	Trip 2 (Milimani)	13 collection points	3270	<ul style="list-style-type: none"> <li>Collection done in a posh area which is generally clean</li> <li>Most of the garbage in polythene bags</li> <li>Drizzled in the afternoon</li> <li>Last collection point was a transfer of waste from another truck at the garage</li> </ul>
3-Dec- 2009 Thu	Trip 1 (CBD)	13 collection points	4760	<ul style="list-style-type: none"> <li>Refueled soon after departure from garage</li> <li>Collection done at both uptown and downtown</li> <li>Uptown mostly had office wastes</li> <li>Collection point 1 was done in a chute room</li> <li>Wet rainy morning</li> </ul>
4-Dec- 2009 Fri	Trip 1 (CBD, Lavington, Kilimani)	36 collection points	4150	<ul style="list-style-type: none"> <li>Refueled soon after departure from garage</li> <li>Collections done at downtown, uptown offices and residential area</li> <li>Mainly office wastes and domestic waste</li> <li>Collection point 10 is a refuel at a petrol station</li> </ul>
5-Dec -2009 Sat	Trip 2 (CBD)	17 collection points	3970	<ul style="list-style-type: none"> <li>Refueled soon after departure from garage</li> <li>Most collections done in downtown and uptown</li> <li>Mostly office, foods and general public wastes</li> <li>The truck went for carwash downtown after dumpsite and proceeded on to the garage</li> </ul>
7-Dec -2009 Mon	Trip 1 (CBD)	17 collection points	3970	<ul style="list-style-type: none"> <li>Truck refueled soon after departure from garage</li> <li>Most collection done downtown</li> <li>General public waste, foods and office wastes</li> </ul>

Truck 4 – Zoa Taka, 3 ton Mitsubishi, KAD 891J

Truck 4	Zoa Taka			3 ton, Mitsubishi KAD 891J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
30-Nov -2009 Mon	Trip 1 (CBD)	14 collection points	3110	<ul style="list-style-type: none"> <li>Mostly uptown collection</li> <li>Most wastes placed in sacks, plastic bags and bins</li> <li>Mostly food and general public wastes</li> </ul>
1-Dec- 2009 Tue	Trip 1 (Industrial Area)	7 collection points	3200	<ul style="list-style-type: none"> <li>Industrial waste, used spare parts wastes, wooden twigs, food wastes</li> </ul>
	Trip 2 (Industrial Area)	1 collection points	-	<ul style="list-style-type: none"> <li>Rainy day</li> <li>Mostly office and industrial wastes</li> <li>Hazardous waste from one drug manufacturer</li> <li>Truck emptied and wastes taken to the contractor's drop off point</li> </ul>
2-Dec- 2009 Wed	Trip 1 (CBD)	18 collection points	3340	<ul style="list-style-type: none"> <li>Collection done in both downtown and uptown</li> <li>General waste from public, hotels and hair salons</li> </ul>
3-Dec- 2009 Thu	Trip 1 (Milimani, Ind. Area, Langata, Kasarani)	12 collection points	3300	<ul style="list-style-type: none"> <li>Refueled soon after departure from garage</li> <li>Domestic, industrial, foods and general public wastes</li> <li>Rainy and muddy</li> </ul>
4-Dec -2009 Fri	Trip 1 (CBD)	15 collection points	3090	<ul style="list-style-type: none"> <li>Downtown</li> <li>General public wastes, foods wastes</li> </ul>

Truck 4	Zoa Taka			3 ton, Mitsubishi KAD 891J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
				<ul style="list-style-type: none"> <li>• Congested traffic</li> </ul>
5-Dec -2009 Sat	Trip 1 (Hurlingham , Riverside, Muthaiga)	10 collection points	3430	<ul style="list-style-type: none"> <li>• Refueled soon after departure from garage</li> <li>• Downtown, uptown</li> <li>• Domestic, foods and general public wastes</li> <li>• Stopped at a garage for repair</li> </ul>

Truck 5 – Bins Nairobi Services, 7 ton Iveco, KAM 019E

Truck 5	Zoa Taka			3 ton, Mitsubishi KAD 891J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
7-Dec-2009 Mon	Trip 1 (Makadara Ind. Area)	10 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> <li>• Mostly industrial and office wastes</li> <li>• Collection point 7 was not accessible due to the heavy traffic of lorries queuing into the premises</li> <li>• Collection offloaded at the garage into a larger truck</li> </ul>
	Trip 1 (Makadara Ind. Area)	6 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> <li>• Mostly industrial and office wastes</li> <li>• Collection point 4 &amp; 5 was not collected since the bins were not yet full</li> <li>• Truck parked overnight loaded with the afternoon collection</li> </ul>
8-Dec-2009 Tue	Trip 1 (Makadara Ind. Area)	9 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Previous day's collection offloaded into another truck at the garage</li> <li>• Specific company premises</li> <li>• Cloudy morning, rough road</li> <li>• Mostly industrial and office wastes</li> <li>• Collection point 4 was not collected since the bins were not yet full</li> <li>• Morning collections offloaded into another truck</li> </ul>
	Trip 2 (Makadara Ind. Area)	1 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Truck grounded by traffic police before 1st collection point and released later</li> <li>• Congested traffic</li> <li>• Mostly industrial and office wastes</li> <li>• Truck parked overnight loaded with the afternoon collection</li> </ul>
9-Dec-2009 Wed	Trip 1 (Makadara Ind. Area)	14 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> <li>• Mostly industrial and office wastes</li> <li>• Collected amount was offloaded into a larger truck at the end of morning collection</li> </ul>
	Trip 2 (Makadara Ind. Area)	6 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> <li>• Mostly industrial and office and hotel wastes</li> <li>• Truck parked overnight loaded with the afternoon collection</li> </ul>
10-Dec-2009 Thu	Trip 1 (Makadara Ind. Area)	14 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> <li>• Collections for the day was added into previous day's collection</li> <li>• Congested traffic mid morning</li> <li>• Mostly industrial and office wastes</li> <li>• Cloudy weather with sunny intervals</li> <li>• Day's collection was offloaded into another truck at the garage in the evening</li> </ul>
11-Dec-2009 Fri	Trip 1 (Makadara Ind. Area)	10 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>• Specific company premises</li> </ul>

Truck 5	Zoa Taka			3 ton, Mitsubishi KAD 891J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
	Ind. Area)			<ul style="list-style-type: none"> <li>Mostly industrial and office wastes</li> <li>Collected amount was offloaded at the contractor's garage into a larger truck</li> </ul>
	Trip 2 (Makadara Ind. Area)	5 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>Congested traffic</li> <li>Access blocked for 4th collection point hence no collection</li> <li>Truck parked overnight loaded with the afternoon collection</li> </ul>
12-Dec-2009 Sat	Trip 1 (Makadara Ind. Area)	2 collection points	Own dumping yard	<ul style="list-style-type: none"> <li>Previous day's collection offloaded into another truck</li> <li>Vehicle developed mechanical breakdown at collection point 2 which was sorted out and truck parked at the garage</li> <li>General public and food wastes</li> <li>Collection done using spades and polythene bags</li> <li>Day's collection was offloaded to a larger truck</li> </ul>

Truck 6 – Garbage Dot Com, 8 ton Mitsubishi Fuso, KAM 906Z

Truck 6 Garbage Dot Com				8 ton, Mitsubishi Fuso KAM 906Z
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
7-Dec-2009 Mon	Trip 1 Embakasi	8 collection points	6040	<ul style="list-style-type: none"> <li>Mostly residential waste</li> <li>No collection at Point 1 since there was no gate response</li> </ul>
8-Dec-2009 Tue	Trip 1 Embakasi, Mlolongo	2 collection points	2450	<ul style="list-style-type: none"> <li>Collection done around JKIA Airport area</li> <li>Bags, cartons, polythene bags</li> </ul>
9-Dec-2009 Wed	Trip 1 Mombasa Road	4 collection points	5360	<ul style="list-style-type: none"> <li>Fast traffic</li> <li>General public and food wastes</li> <li>Dumpsite</li> </ul>
10-Dec-2009 Thu	Trip 1 (Airport, Mombasa Road)	8 collection points	5410	<ul style="list-style-type: none"> <li>Fuelled soon after departure from the garage.</li> <li>Fast / scarce traffic in the morning but congestion at midday.</li> <li>Mostly residential and foods waste</li> </ul>
11-Dec-2009 Fri	Trip 1 (South C)	9 collection points	6420	<ul style="list-style-type: none"> <li>Fast traffic</li> <li>Residential/food wastes</li> </ul>
13-Dec-2009 Sun	Trip 1 (JKIA/ Outering)	3 Collection points	6320	<ul style="list-style-type: none"> <li>Rainy</li> <li>Scarce traffic</li> <li>Plastic bags, crates, bins</li> </ul>

Truck 7 – Dorkam Enterprise, 9 ton Mitsubishi, KWD 632

Truck 7 Dorkam Enterprise				9 ton, Mitsubishi KWD 632
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
7-Dec-2009 Mon	Trip 1 (Githurai)	7 collection points	12850	<ul style="list-style-type: none"> <li>Residential wastes</li> <li>No protective clothing</li> </ul>
10-Dec-2009 Thur	Trip 1 (Westlands) Kangemi	11 collection points	9310	<ul style="list-style-type: none"> <li>Most garbage put in central points while others are put in concrete cubicles.</li> <li>General waste from public</li> <li>No major traffic</li> <li>Cloudy/drizzling</li> </ul>
11-Dec-2009 Fri	Trip 1 (Ngumba) Kasarani	5 collection points	11850	<ul style="list-style-type: none"> <li>Mostly residential waste</li> <li>No protective clothing</li> <li>Part of garbage carried by handcarts to the truck</li> </ul>
12-Dec-2009 Sat	Trip 1 (Westlands) Kangemi	10 collection points	8490	<ul style="list-style-type: none"> <li>Most garbage put in central collection points</li> <li>General public wastes</li> </ul>
16-Dec-2009 Wed	Trip 1 (Westlands) Kangemi	12 collection points	10700	<ul style="list-style-type: none"> <li>Most garbage put in central collection points</li> <li>Fork jembe and an open sack used to collect part of the garbage</li> </ul>
17-Dec-2009 Thu	Trip 1 (Westlands) Kangemi	12 collection points	7400	<ul style="list-style-type: none"> <li>Most garbage put in central collection points</li> <li>Fork jembe and an open sack used to collect part of the garbage</li> <li>Tarmac/all weather road</li> </ul>

Truck 8 – Jesker, 5 ton Isuzu, KAC 088J

Truck 8 Jesker				5 ton, Isuzu KAC 088J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
8-Dec-2009 Tue	Trip 1 (Westlands)	22 collection point	5310	<ul style="list-style-type: none"> <li>Mostly office, food wastes</li> <li>Most garbage in a heap on the ground while others in bins</li> </ul>
	Trip 2 Starehe	1 collection point	7850	<ul style="list-style-type: none"> <li>Loading done by a tractor s</li> <li>Garbage in a swampy loading place</li> </ul>
9-Dec-2009 Wed	Trip 1 Starehe	1 collection point	5360	<ul style="list-style-type: none"> <li>Garbage in a heap</li> <li>Garbage loaded by a tractor</li> </ul>
	Trip 2 Starehe	1 collection point	6920	<ul style="list-style-type: none"> <li>Garbage in a heap by the roadside</li> <li>Garbage loaded by a tractor</li> </ul>
	Trip 3 Starehe	1 collection point	6860	<ul style="list-style-type: none"> <li>Garbage in a heap and strewn on the ground</li> </ul>
10-Dec-2009 Thu	Trip 1 (Westlands)	9 collection point	7660	<ul style="list-style-type: none"> <li>Most of the garbage put by the roadside/pavements</li> <li>Drizzling</li> </ul>
12-Dec-2009 Sat	Trip 1 Starehe	2 collection point	6510	<ul style="list-style-type: none"> <li>General public waste in a heap</li> <li>Rotten waste at collection point 1</li> </ul>
	Trip 2 Starehe	1 collection point	6780	<ul style="list-style-type: none"> <li>Market garbage in a heap</li> <li>Loading done by a tractor</li> <li>Challenges of slow traffic jam</li> </ul>

Truck 8 Jesker				5 ton, Isuzu KAC 088J
Day	Trip No	Collection Points	Offloaded amount (kg)	Description of the route, collection points and special notes
14-Dec-2009 Mon	Trip 1 Starehe	1 collection point	7190	<ul style="list-style-type: none"> <li>Garbage in a heap by the roadside</li> <li>Loading done by a tractor</li> </ul>
	Trip 2 Starehe	1 collection point	7220	<ul style="list-style-type: none"> <li>General public waste by the roadside</li> <li>Loading done by a tractor</li> </ul>
	Trip 3 Starehe	1 collection point	7330	<ul style="list-style-type: none"> <li>Garbage put by the roadside</li> </ul>
15-Dec-2009 Tue	Trip 1 (Westlands)	22 collection points	6430	<ul style="list-style-type: none"> <li>Garbage put by the roadside</li> <li>Garbage put in heaps on the ground while put in drums</li> </ul>

## 2) Results of Summary of Trip Number, Collection Points, Time and Mileage

Date of Survey	Region	Collector	Vehicle No.	Type and Capacity of Vehicle	No of trip	Total No. of collection points	Shift operation time(hh:min)	Total mileage(km)
Mon,Nov30,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	2	12	7:26	15.8
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	1	6	8:57	49.7
	CBD	Simple Garbage	KPB 307	BedFord,4 ton	2	21	13:16	46.0
	CBD	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	1	14	11:04	40.0
					<b>6</b>	<b>53</b>	<b>16:43</b>	<b>151.5</b>
Tue,Dec 1,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	2	8	5:28	16.4
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	2	3	11:46	91.0
	CBD	Simple Garbage	KPB 307	BedFord,4 ton	2	29	12:54	61.3
	Milimani & Ind Area	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	2	8	10:53	75.0
					<b>8</b>	<b>48</b>	<b>17:01</b>	<b>243.7</b>
Wed,Dec 2,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	1	8	11:18	6.0
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	1	4	11:18	92.6
	CBD	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	1	18	10:50	35.0
					<b>3</b>	<b>30</b>	<b>9:26</b>	<b>133.6</b>
Thu,Dec 3,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	2	6	12:35	23.8
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	2	4	10:07	59.1
	CBD	Simple Garbage	KPB 307	BedFord,4 ton	1	13	11:19	32.0
	Milimani & Ind Area	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	1	12	13:42	64.0
					<b>6</b>	<b>35</b>	<b>23:43</b>	<b>178.9</b>
Fri,Dec 4,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	2	10	13:33	37.3
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	1	6	8:47	37.8
	CBD	Simple Garbage	KPB 307	BedFord,4 ton	1	36	14:26	71.4
	CBD	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	1	15	10:54	31.0
					<b>5</b>	<b>67</b>	<b>23:40</b>	<b>177.5</b>
Sat,Dec 5,2009	CBD	CCN	KAW 732Z	Nissan Diesel,10 ton	1	6	7:37	31.5
	Langata	CCN	KAW 743Z	Nissan Diesel,8 ton	2	7	11:16	78.9



Date of Survey	Region	Collector	Vehicle No.	Type and Capacity of Vehicle	No of trip	Total No. of collection points	Shift operation time(hh:min)	Total mileage(km)
	CBD	Simple Garbage	KPB 307	BedFord,4 ton	1	17	10:49	43.4
	Milimani & Ind Area	Zoa Taka	KAD 891 J	Mitsubishi,3 ton	1	10	14:18	74.0
Mon,Dec 7,2009	CBD	Simple Garbage	KPB 307	BedFord,4 ton	1	17	12:30	31.8
	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	2	16	10:52	30.1
	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	8	8:52	57.0
	Kasarani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	7	9:16	30.2
					<b>10</b>	<b>88</b>	<b>13:30</b>	<b>376.9</b>
Tues,Dec 8,2009	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	2	10	11:00	31.8
	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	2	6:31	47.0
	Milimani	Jesker	KAC 088J	Isuzu 5 ton	2	22	10:47	59.4
					<b>5</b>	<b>34</b>	<b>4:18</b>	<b>138.2</b>
Wed,Dec 9,2009	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	2	16	10:19	32.2
	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	4	9:48	48.0
	Starehe	Jesker	KAC 088J	Isuzu 5 ton	3	3	4:33	29.1
					<b>6</b>	<b>23</b>	<b>0:40</b>	<b>109.3</b>
Thu,Dec 10,2009	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	1	14	9:48	29.8
	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	8	10:48	42.0
	Milimani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	11	12:55	62.6
	Milimani	Jesker	KAC 088J	Isuzu 5 ton	1	9	10:17	37.1
					<b>4</b>	<b>42</b>	<b>19:48</b>	<b>171.5</b>
Fri,Dec 11,2009	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	2	15	11:12	27.2
	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	9	9:27	58.0
	Kasarani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	5	9:56	24.1
					<b>4</b>	<b>29</b>	<b>6:35</b>	<b>109.3</b>
Sat,Dec 12,2009	Makadara	Bins Nairobi Services	KAM 019 E	Iveco, ton	1	2	4:45	44.3
	Milimani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	10	11:24	75.9
	CBD	Jesker	KAC 088J	Isuzu 5 ton	2	3	6:30	51.5
					<b>4</b>	<b>15</b>	<b>22:39</b>	<b>171.7</b>
Sun,Dec 13,2009	Embakasi	Garbage.Com	KAM 906 Z	Mitsubishi Fuso,8 ton	1	3	6:43	53.0
					<b>1</b>	<b>3</b>	<b>6:43</b>	<b>53.0</b>
Mon,Dec 14,2009	Milimani	Jesker	KAC 088J	Isuzu 5 ton	3	3	7:06	39.4
					<b>3</b>	<b>3</b>	<b>7:06</b>	<b>39.4</b>
Tue,Dec 15	Milimani	Jesker	KAC 088J	Isuzu 5 ton	1	22	8:17	44.1
					<b>1</b>	<b>22</b>	<b>8:17</b>	<b>44.1</b>
Wed,Dec 16,2009	Milimani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	12	11:59	62.4
					<b>1</b>	<b>12</b>	<b>11:59</b>	<b>62.4</b>
Thu,Dec 17,2009	Milimani	Dorkam Enterprises	KWD 632	Mitsubishi ,9 ton	1	12	11:08	45.4
					<b>1</b>	<b>12</b>	<b>11:08</b>	<b>45.4</b>

#### (4) Details of the Results of the Time Log

##### 1) KAW 732Z (CCN)

Mon 30th Nov 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:00 AM	1	6:04 AM	2	CBD					0	Landhies Road	Dry and tarmacked	Garbage in drum. General public waste. Some food leftovers. Some spills
Crew Collection	2	6:23 AM	3	6:31 AM	4	CBD	0:08:00	0:19:00			2	Lagos Road	Dry and wet	Hotel waste wrapped in nylon and plastic bags
1st	2.3	6:35 AM	5	6:45 AM	6	CBD	0:10:00	0:04:00			0.3	Lagos Lane	Dry, and tarmacked	Office waste like broken CDs papers and cartons. Spills all over. Sweeping is done
2nd	2.7	6:46 AM	7	6:52 AM	8	CBD	0:06:00	0:01:00			0.4	Lagos Lane	Dry, and tarmacked	Food waste from hotel in paper bags
3rd	3	6:53 AM	9	6:58 AM	10	CBD	0:05:00	0:01:00			0.3	Lagos Lane	Dry, and tarmacked	Spills of leftovers. Garbage in metal containers
4th	3.4	6:59 AM	11	6:59 AM	12	CBD	0:00:00	0:01:00			0.4	Lagos Lane	Dry, and tarmacked	Vegetable waste
5th	3.6	7:00 AM	13	7:01 AM	14	CBD	0:01:00	0:01:00			0.2	Lagos Lane	Dry waste	Garbage in green paper bags. Sweeping of the lane
6th	4	7:08 AM	15	7:16 AM	16	CBD	0:08:00	0:07:00			0.4	Kweria Lane	Dump and wet	Vegetable waste
7th	4.3	7:19 AM	17	7:20 AM	18	CBD	0:01:00	0:03:00			0.3	Kweria Lane	Tarmacked, dump and wet	General waste from the public
8th	4.6	7:22 AM	19	7:26 AM	20	CBD	0:04:00	0:02:00			0.3	Kweria Lane	Tarmacked, dump and wet	Residential waste.No containers. Spills all over
9th	4.8	7:29 AM	21	9:59 AM	22	CBD	2:30:00	0:03:00			0.2	Ngombeni Lane	Tarmacked, dump and wet	Residential waste. waste wrapped in paper bags.
10th	5.2	10:04 AM	23	12:03 PM	24	CBD	1:59:00	0:05:00			0.4	Mto Lane	Tarmacked, dump and wet	No gas masks, Parking problems, Food waste like banana potato peels. Presence of human waste
11th	5.9	12:14 PM	25	12:29 PM	26	CBD	0:15:00	0:11:00			0.7	Fuel Station	Tarmacked, dump and wet	Garbage on fueling point. Garbage covered and taken to dump site
Dumpsite	15.8	1:10 PM	27	1:30 PM	28	Embakasi		0:41:00	0:20:00		9.9	Dumping Site	Littered	littered and dump
							5:27:00	1:39:00	0:20:00	7:26:00	15.8			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
lunch break	26.4	1:58 PM	29	2:30 PM	30	CBD	0:32:00	0:28:00			10.6	Jogoo Road	lunch break	lunch break
1st	30.4	2:53 PM	31	5:00 PM	32	CBD	2:07:00	0:23:00			4	Central Car park	dry and tarmacked	General office waste and public wastes mixed with leaves from street sweeping some wrapped in nylon sacks, black and white polythene bags
Garage	32.6	5:20 PM	33	5:20 PM		END OF DAY		0:20:00			2.2	Landhies road	all weather and dry	Track is left with 3/4 full of garbage
							2:39:00	1:11:00	0:00:00	3:50:00	16.8			
Total							8:06:00	2:50:00	0:20:00	11:16:00	32.6			

Tue 1 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	0	6:00 AM	34	6:05 AM	35		0:05:00				0	Lagos Road	Dump	Food garbage from hotel wrapped in paper bags.
2nd	2.6	6:20 AM	36	6:30 AM	37	CBD	0:10:00	0:15:00			2.6	Lagos waiting crew collection	Dump	Residential waste. waste wrapped in paper bags.

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
3th	2.7	6:31 AM	38	6:43 AM	39	CBD	0:12:00	0:01:00			0.1	Lagos	Dump	Industrial waste mixed with waste from the public. Human waste presence
4th	3.8	6:50 AM	40	7:01 AM	41	CBD	0:11:00	0:07:00			1.1	Kweria Lane	Dump	Residential waste. Wrapped in paper bags.
5th	4.4	7:06 AM	42	8:22 AM	43	CBD	1:16:00	0:05:00			0.6	Ngombeni Lane	Dump	Human waste visible and computer scraps
6th	4.6	8:27 AM	44	8:48 AM	45	CBD	0:21:00	0:05:00			0.2	Mto Lane	Dump	Waste from the hotel and residential areas
7th	4.8	8:51 AM	46	10:11 AM	47	CBD	1:20:00	0:03:00			0.2	Nyati Lane	Dump	Spills all over the lane. Waste form hotels and residential areas
Dumpsite	16.4	11:10 AM	48	11:28 AM	49	Embakasi		0:59:00	0:18:00		11.6	Dump Site	Littered	Littered and dump
							3:35:00	1:35:00	0:18:00	5:28:00	16.4			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	31.8	12:23 PM	50	1:55 PM	51	CBD	1:32:00	0:55:00			15.4	City Market	Dry and cemented	Waste in plastic and paper bags mostly organic like damaged fruits
Dumpsite	44.5	2:36 PM	52	2:53 PM	53	Embakasi		0:41:00	0:17:00		12.7	Dump Site	Littered	Littered and dump
Garage	56.5	3:30 PM	54	3:30 PM		CBD	0:00:00	0:37:00			12	Garage	Dry and all weather	Dry and all weather
							1:32:00	2:13:00	0:17:00	4:02:00	40.1			
Total							5:07:00	3:48:00	0:35:00	9:30:00	56.5			

### Wed 2 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:59 AM	55	6:11 AM	56	Kamikunji						Garage		
Fuel station	2	6:23 AM	57	6:33 AM	58	CBD	0:10:00	0:12:00			2	Lagos Lane	Crew collection	Crew collection
1st	3	6:44 AM	59	6:46 AM	60	CBD	0:02:00	0:11:00			1	Race course	Tarmacked and dry	Garbage wrapped in nylon sacks and paper bags
2nd	3.2	6:47 AM	61	6:51 AM	62	CBD	0:04:00	0:01:00			0.2	Race course	Tarmacked and dry	Garbage wrapped in nylon sacks and paper bags
3rd	3.5	6:54 AM	63	7:08 AM	64	CBD	0:14:00	0:03:00			0.3	Kirinyaga Road	Tarmacked and dry	Hotel waste wrapped in sacks
4th	3.7	7:09 AM	65	7:54 AM	66	CBD	0:45:00	0:01:00			0.2	Ambala Road	Tarmacked and cemented	Residential and hotel waste wrapped in sacks and paper bags
5th	3.9	7:58 AM	67	10:06 AM	68	CBD	2:08:00	0:04:00			0.2	Kirinyaga Road	Tarmacked and dry	Spills on the road side. Industrial, food leftovers and residential waste
6th	4	10:10 AM	69	10:49 AM	70	CBD	0:39:00	0:04:00			0.1	Kirinyaga Road	Cemented and Dry	Pieces of broken wind screens
7th	4.1	10:52 AM	71	12:30 PM	72	CBD	1:38:00	0:03:00			0.1	Voi Lane	Cemented and Dry	Spills and drippings mainly food waste and residential waste. Street sweeping
8th	4.4	12:37 PM	73	1:38 PM	74	CBD	1:01:00	0:07:00			0.3	River road	Petrol station	Delay of fuel due to outstanding fuel bills
Stalled	5.1	1:44 PM	75	5:15 PM	76	CBD	3:31:00	0:06:00			0.7	Lagos Lane	Waiting for directions on fuelling	Waiting for directions on fuelling
Garage	6	5:29 PM	77	5:29 PM		Kamikunji	0:00:00	0:14:00			0.9	Garage		
							10:12:00	1:06:00	0:00:00	11:18:00	6			
Total							10:12:00	1:06:00	0:00:00	11:18:00	6			

Thu 3 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:05 AM	78	6:16 AM	79	Kamukunji						Landhies road	Garage	
Crew Collection	2.1	6:31 AM	80	8:11 AM	81	CBD	1:40:00	0:15:00			2.1	Lagos lane	petrol station	Collection of crew and waiting for refueling
Gas station	2.50	8:22 AM	82	8:38 AM	83	CBD	0:16:00	0:11:00			0.4	River road	petrol station	fuelling
Dumpsite	12.7	9:11 AM	84	9:32 AM	85	Embakasi		0:33:00	0:21:00		10.2	Dumpsite	muddy and slippery	Traffic to and from slowly moving. Cloudy weather
							<b>1:56:00</b>	<b>0:59:00</b>	<b>0:21:00</b>	<b>3:16:00</b>	<b>12.7</b>			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	20.3	10:34 AM	86	10:51 AM	87	CBD	0:17:00	1:02:00			7.6	Kweria lane	Tarmacked road	Residential wastes. Use of nylon sacks. Drizzling but with sunny intervals. Drippings on the ground
2nd	20.5	10:53 AM	88	11:00 AM	89	CBD	0:07:00	0:02:00			0.2	Kweria lane 2	Tarmacked road and wet	General public wastes and residential wastes. Spills observed
3rd	21.1	11:04 AM	90	12:54 PM	91	CBD	1:50:00	0:04:00			0.6	Ngombeni	Tarmacked road, wet and dump	General public wastes and food wastes. Drippings and Spills observed. Drizzling. One loader got ill and discontinued work.
4th	21.2	12:59 PM	92	3:13 PM	93	CBD	2:14:00	0:05:00			0.1	Mto lane	Tarmacked pavement and well swept	General, residential and food wastes Use of nylon sacks. Drippings and spills noted slow moving traffick. Drizzling.
5th	21.3	3:15 PM	94	3:34 PM	95	CBD	0:19:00	0:02:00			0.1	Nyati lane	Cemented pavement	General, residential and food wastes and public wastes. Use of plastic paper bags. Crew later swept drippings.
6th	21.4	3:37 PM	96	5:10 PM	97	CBD	1:33:00	0:03:00			0.1	Kirinyaga Road	Tarmacked road	Industrial, residential, food and general public wastes. Use of paper bags and nylon sacks. Drizzling
Garage	23.8	6:51 PM	98	6:51 PM		Kamukunji		1:41:00			2.4	Garage	all weather and dry	all weather and dry
							<b>6:20:00</b>	<b>2:59:00</b>	<b>0:00:00</b>	<b>9:19:00</b>	<b>11.1</b>			
<b>Total</b>							<b>8:16:00</b>	<b>3:58:00</b>	<b>0:21:00</b>	<b>12:35:00</b>	<b>23.8</b>			

Fri 4 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:00 AM	99	6:12 AM	100	Kamukunji						Garage	all weather and dry	all weather and dry
1st	2.6	6:29 AM	101	6:41 AM	102	CBD	0:12:00	0:17:00			2.6	Lagos lane	Tarmacked and dry	Hotel, residential and general public wastes in nylon sack and plastic containers. Cloudy weather. Spills noted on the road.
2nd	2.7	6:42 AM	103	6:51 AM	104	CBD	0:09:00	0:01:00			0.1	Lagos lane (stage 108)	Tarmacked and dry	General public wastes. Trash thrown carelessly to the truck, Spills and drippings to the general public.
3rd	3.5	6:56 AM	105	7:11 AM	106	CBD	0:15:00	0:05:00			0.8	Fire station	Spillages and drippings	Spills and drippings noted
4th	3.7	7:13 AM	107	8:01 AM	108	CBD	0:48:00	0:02:00			0.2	Accra road	spills and drips noted	General public wastes. And hotel wastes. Use of nylon sacks. Spills and drippings noted. Slow traffic. Cloudy weather.
5th	4.3	8:13 AM	109	9:24 AM	110	CBD	1:11:00	0:12:00			0.6	Price road	Tarmacked pavement	General public wastes collected using spades. Cloudy weather with sunny intervals

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Gas station	4.6	9:29 AM	111	9:37 AM	112	CBD	0:08:00	0:05:00			0.3	Kobil pet st	Fuelling	fueling
6th	5.8	9:49 AM	113	11:05 AM	114	CBD	1:16:00	0:12:00			1.2	Mfangano street	Tarmacked lane	General public wastes some spilled and scattered others in nylon sacks. Orderly staff. Slow traffic. Cloudy weather. Two staff withdrawn from team.
Dumpsite	17.1	11:39 AM	115	12:38 PM	116	Embakasi	0:59:00	0:34:00	0:59:00		11.3	Dumpsite	muddy and slippery	Stuck in the mud and the caterpillar came to the rescue.
							4:58:00	1:28:00	0:59:00	7:25:00	17.1			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	30.9	1:22 PM	117	1:46 PM	118	CBD	0:24:00	0:44:00			13.8	City Hall	Spills swept later	Office waste in plastics with wheels and flower twigs. Cloudy weather with sunny intervals. Slow moving traffic. Orderly staff.
2nd	31.4	1:50 PM	119	2:05 PM	120	CBD	0:15:00	0:04:00			0.5	Simmers /Office Mart	No spills no drippings	Hotel wastes wrapped in black paper bags. Slow moving traffic. Cloudy weather with sunny intervals. Office wastes
3rd	31.8	2:10 PM	121	2:29 PM	122	CBD	0:19:00	0:05:00			0.4	GNR point	No spills	Hotel wastes wrapped in paper bags, nylon sacks and a small metal drum. Drizzles with sunny intervals. Slow moving traffic. Orderly staff.
4th	32.1	2:33 PM	123	4:34 PM	124	CBD	2:01:00	0:04:00			0.3	City Market	Spills and drippings swept	Food wastes from hotels, butcheries and fruit sellers in plastic and metal containers, paper bags and sacks. Tarmacked road. Cloudy with sunny intervals, Slow moving traffic.
Dumpsite	44.6	5:27 PM	125	5:50 PM	126	Embakasi		0:53:00	0:23:00		12.5	Dumpsite	muddy and slippery	muddy, dump and slippery
Garage	54.4	6:46 PM	127	6:46 PM		Kamukunji		0:56:00			9.8	Landhies road	all weather and wet	all weather and dry
							2:59:00	2:46:00	0:23:00	6:08:00	37.3			
							7:57:00	4:14:00	1:22:00	13:33:00	37.3			

Sat 5 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:08 AM	128	6:18 AM	129	Kamukunji						Landhies road	all weather and dry	all weather and wet
Crew Collection	2.1	6:29 AM	130	6:41 AM	131	CBD	0:12:00	0:11:00			2.1	Lagos lane	collection of crew	collection of crew
1st	3.5	6:47 AM	132	7:11 AM	133	CBD	0:24:00	0:06:00			1.4	Harambee house	Spills and drippings later swept	General office waste in large plastic containers, collected by emptying in smaller plastic containers. Cloudy and dry weather. No photos taken due to security order
2nd	4.4	7:15 AM	134	7:43 AM	135	CBD	0:28:00	0:04:00			0.9	Maggies Hotel	Spills and drippings later swept	Hotel wastes: food left over, serviettes and plastic cans and bottles wrapped in paper bags and others put in metal containers. Scarce traffic, Cloudy weather.
3rd	4.8	7:48 AM	136	9:20 AM	137	CBD	1:32:00	0:05:00			0.4	Central car park	drippings well swept	General public, food wastes swept from the streets wrapped in

Location - Trip 1	Odom-eter	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
														paper bags collected using nylon sacks thrown by loaders. Waste put in a big CCN container and dumped next to container. Scarce traffic. Cloudy weather with sunny intervals.
4th	5.8	9:24 AM	138	9:37 AM	139	CBD	0:13:00	0:04:00			1	City Hall	Clean-no spills	Office waste in large plastic container and wrapped in paper bags, Scarce traffic. Cloudy weather with sunny intervals. One staffs low and even rude to his supervisor
5th	6.5	9:43 AM	140	9:57 AM	141	CBD	0:14:00	0:06:00			0.7	GNR Hotel	No spills	Hotel wastes; ash, food left over, ice dipped in nylon sacks. Cloudy weather with sunny intervals. Scarce traffic
6th	6.9	10:01 AM	142	11:57 AM	143	CBD	1:56:00	0:04:00			0.4	City Market	Spillages were later swept	Food wastes from hotels, butcheries and fruit sellers in plastic and metal containers, paper bags and sacks. Tarmacked road. Cloudy with sunny intervals
Dumpsite	19.7	12:51 PM	144	1:14 PM	145	Embakasi		0:54:00	0:23:00		12.8	Dandora	littered	Littered and dump
Garage	31.5	1:55 PM	146	1:55 PM		Kamukunji		0:41:00			11.8	Landhies road	all weather and dry	all weather and dry
							4:59:00	2:15:00	0:23:00	7:37:00	31.5			
							4:59:00	2:15:00	0:23:00	7:37:00	31.5			

## 2) KAW 743Z (CCN)

Mon 30th Nov 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:54 AM	1	6:02 AM	2	Kamukunji					0	Garage	Crew gathering	Driver checked oil, washed the windscreen and checked tires
Crew Collection	2.6	6:11 AM	3	6:20 AM	4	CBD	0:09:00	0:09:00			2.6	Lagos road	Crew gathering	Collection of 3 crew members
Supervisor collection	9	6:37 AM	5	6:45 AM	6	CBD	0:08:00	0:17:00			6.4	NCC Depot Langata	Picking Supervisor	Collection of the supervisor.
1st	14	6:52 AM	7	7:34 AM	8	Langata	0:42:00	0:07:00			5	Kitengela road pt 1	Garbage by the road side	Use of a fork jembe. Papers and general public wastes in an open sack and thrown into truck. Tarmack road with potholes. No traffic, drizzling, Calm turn boys in protective gear.
2nd	14.3	7:35 AM	9	8:08 AM	10	Langata	0:33:00	0:01:00			0.3	Kitengela road pt 2	Garbage by the road side	Use of a fork jembe. Papers and general public wastes in an open sack and thrown into truck. Tarmack road with potholes. No traffic, drizzling, Calm turn boys in protective gear.
3rd	14.4	8:09 AM	11	9:06 AM	12	Langata	0:57:00	0:01:00			0.1	Kitengela road pt 3	Garbage by the road side	Use of a fork jembe. Papers and general public wastes in an open sack and thrown into truck. Tarmack road with potholes. No traffic, drizzling, Calm turn boys in protective gear.
4th	14.5	9:07 AM	13	10:47 AM	14	Langata	1:40:00	0:01:00			0.1	Kitengela road pt 4	Garbage by the road side	Use of a fork jembe. Papers and general public wastes in an open sack and thrown into truck. Tarmack road with potholes. No traffic, drizzling, Calm turn boys in protective gear.
5th	14.6	10:48 AM	15	12:02 PM	16	Langata	1:14:00	0:01:00			0.1	Kitengela road pt5	Garbage by the road side	Use of a fork jembe. Papers and general public wastes in an open sack and thrown into truck. Tarmack road with potholes. No traffic, drizzling, Calm turn boys in protective gear.
6th	19.9	12:13 PM	17	12:18 PM	18	Langata	0:05:00	0:11:00			5.3	Madaraka NCC Depot Langata Road	Garbage by the road side	Signing of allocation form by the Deputy Divisional Supervision Langata
Dumpsite	34.5	12:55 PM	19	1:02 PM	20	Embakasi		0:37:00	0:07:00		14.6	Dandora	Garbage dumping	Took garbage weight measurements
Gas station	48.8	2:28 PM	21	2:37 PM	22	CBD	0:09:00	1:26:00			14.3	Fuel Station River Road	fueling	Fuelling
Garage	49.7	2:59 PM	23	3:03 PM	24	CBD		0:22:00			0.9	Landhis Road	Parking and checking tires	Parking of truck and checking tyres
							5:37:00	3:13:00	0:07:00	8:57:00	49.7			
							5:37:00	3:13:00	0:07:00	8:57:00	49.7			
Office	55.2	3:26 PM	24	3:30 PM	25	Westlands		0:23:00			5.5	Parklands		

Tue 1 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:58 AM	26	6:04 AM	27	CBD					0	Landhis Road	Inspection of washing of the truck by the driver	Driver arrival and checking the truck ie tires and washing the windscreen
Crew Collection	6	6:13 AM	28	6:23 AM	29	CBD	0:10:00	0:09:00			6	Lagos Lane	Picking up the turn boys	Collecting the turn boys
Picking of supervisor	9	6:37 AM	30	6:43 AM	31	Langata	0:06:00	0:14:00			3	NCC Depot Langata	Picking up the supervisor	Collecting the supervisor Mr. Barrack Owira
1st	14.1	6:55 AM	32	8:04 AM	33	CBD	1:09:00	0:12:00			5.1	Kitengela Road	Garbage by the road side	Use of a fork jembe and open sack. Plastic bags, cartons, polythene papers, foods, general public waste. Calm staff. tarmacked road no traffic jam. Drizzling.
2nd	15.5	8:11 AM	34	11:00 AM	35	Langata	2:49:00	0:07:00			1.4	Langata Police Station	Garbage put in a concrete cubicle	Use of a fork jembe and open sack. plastic bags, cartons, polythene papers, foods, general public waste. Calm staff. tarmacked road no traffic jam. Drizzling.
Collection of work ticket	25	11:29 AM	36	11:43 AM	37	Kamukunji	0:14:00	0:29:00			9.5	Landhis Road	Collecting work ticket	Collecting work ticket
Dumpsite	36.8	12:14 PM	38	12:24 PM	39	Embakasi		0:31:00	0:10:00		11.8	Dandora	Dumping site	Took garbage weight details at weigh bridge
							4:28:00	1:42:00	0:10:00	6:20:00	36.8			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	58.8	1:16 PM	40	4:03 PM	41	Langata	2:47:00	0:52:00			22	Langata Police Station-Dog section	Garbage put in two cubicles	Garbage is mostly public waste. Staff are calm. Road is tarmacked. Weather is drizzling and sunny.
Dumpsite	81	5:04 PM	42	5:07 PM	43	Embakasi		1:01:00	0:03:00		22.2	Dandora	Dumping site	Took garbage weight details at weigh bridge
Garage	91	5:50 PM	44	5:56 PM	45	Kamukunji		0:43:00			10	Landhis Road	Parking	Parking of the truck
							2:47:00	2:36:00	0:03:00	5:26:00	54.2			
<b>Total</b>							7:15:00	4:18:00	0:13:00	11:46:00	91			
Office	99.1	6:50 PM	46	6:50 PM		Westlands		0:54:00			8.1	Parklands		

Wed 2 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:03 AM	47	6:11 AM	48	Kamukunji						Landhis Road	Parking	Driver arrives at garage and washes the windscreen and checks tires
Crew Collection	2.5	6:18 AM	49	6:32 AM	50	CBD	0:14:00	0:07:00			2.5	Lagos road	Picking up the turn boys	Collection of turn boys is done
1st	7.4	6:56 AM	51	7:08 AM	52	CBD	0:12:00	0:24:00			4.9	Ole Sangale avenue	Garbage put in polythene bags	Garbage in plastic bags. Mainly general public wastes and residential wastes. Calm turn boys. Road tarmacked. No traffic. Drizzling weather
2nd	16.2	7:37 AM	53	9:29 AM	54	CBD	1:52:00	0:29:00			8.8	Langata Dog Unit	Garbage put in concrete cubicles	Garbage in concrete cubicle. Mainly general public wastes. Calm turn boys. Road tarmacked. No traffic. Drizzling weather
3rd	19	9:51 AM	55	12:10 PM	56	CBD	2:19:00	0:22:00			2.8	Kitengela road	General public waste at	Use of a sack to collect garbage, Spills and general public wastes.



Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
													the roadside near a slum	Calm turn boys. Tarmacked road. No traffic
4th	24.4	12:22 PM	57	12:30 PM	58	Langata	0:08:00	0:12:00			5.4	NCC Depot Langata	Garbage put in polythene bags	Garbage is put in polythene bags. General public wastes. Tarmacked road. No traffic
Gas station	29.6	1:14 PM	59	5:13 PM	60	CBD	3:59:00	0:44:00			5.2	Kobil Petro Station River Road	Truck was not fuelled because of bad system	Truck was not fuelled because of bad system of fuelling procedures; finally truck was directed back to garage after waiting for 5 hours. Truck spent the night with garbage in it.
Garage	32.6	5:29 PM	61	5:39 PM	62	Kamukunji		0:16:00			3	Landhis Road	Parking	Parking of the truck
<b>Total</b>							<b>8:44:00</b>	<b>2:34:00</b>	<b>0:00:00</b>	<b>11:18:00</b>	<b>32.6</b>			
							<b>8:44:00</b>	<b>2:34:00</b>	<b>0:00:00</b>	<b>11:18:00</b>	<b>32.6</b>			
Office	40.7	6:14 PM	63	6:14 PM		Westlands	0:00:00	0:35:00			8.1	Parklands		

### Thu 3 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:09 AM	64	6:13 AM	65	K					0	Landhis Road	Truck Inspection by driver	Truck Inspection
Crew Collection	3.1	6:25 AM	66	8:05 AM	67	CBD	1:40:00	0:12:00			3.1	Lagos road	Picking of turn boys and waiting for fuel money.	Crew collection
Gas station	3.6	8:09 AM	68	8:17 AM	69	CBD	0:08:00	0:04:00			0.5	Kobil. River road	Fueling	Fueling
Dumpsite	16.9	9:09 AM	70	9:14 AM	71	Embakasi		0:52:00	0:05:00		13.3	Dandora dumpsite	Took weight details at weigh bridge	Took weight details at weigh bridge
							<b>1:48:00</b>	<b>1:08:00</b>	<b>0:05:00</b>	<b>3:01:00</b>	<b>16.9</b>			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	31.4	10:16 AM	72	10:17 AM	73	Langata	0:01:00	1:02:00			14.5	NCC Depot Langata	Two polythene bags with garbage. Supervisor was also picked here.	Picking up supervisor. Collected two polythene bags with garbage just next to NCC depot Langata.
2nd	31.7	10:23 AM	74	10:40 AM	75	Langata	0:17:00	0:06:00			0.3	Gadhi avenue. Nrb West	Two polythene bags with garbage placed outside houses in the estate	Garbage put in polythene bags outside an estate. No traffic. Drizzling. No traffic. Staff are calm.
3rd	32.1	10:42 AM	76	10:57 AM	77	Langata	0:15:00	0:02:00			0.4	Kisauni road	Two polythene bags with garbage placed outside houses in the estate	Garbage put in polythene bags outside an estate. No traffic. Drizzling. No traffic. Staff are calm.
4th	32.7	10:59 AM	78	1:51 PM	79	Langata	2:52:00	0:02:00			0.6	Muthaiti avenue	Two polythene bags with garbage placed in a central	Garbage in plastic bags outside shops others are put in central point. Road tarmacked. No traffic. Drizzling weather. Calm staff

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
													point in the estate	
Dumpsite	49.1	2:56 PM	80	3:18 PM	81	Embakasi		1:05:00	0:22:00		16.4	Dandora dumpsite	Took weight details at weigh bridge	Took weight details at weigh bridge
Garage	59.1	4:20 PM	82	4:38 PM	83	Kamukunji		1:02:00			10	Landhis Road	Parking and checking of tires of truck	Truck parking and checking of tires
							3:25:00	3:19:00	0:22:00	7:06:00	42.2			
							5:13:00	4:27:00	0:27:00	10:07:00	59.1			
Office	60.7	5:10 PM	84	5:10 PM		Westlands	0:00:00	0:32:00			1.6			

### Fri 4 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:06 AM	85	6:13 AM	86	Kamukunji					0	Landhis road	Drivers arrival and checking tires	Driver's arrival and Checking tires
Crew Collection	2.7	6:25 AM	87	6:46 AM	88	CBD	0:21:00	0:12:00			2.7	Lagos road	Picking of the turn boys	Picking the turn boys
Supervisor collection	7.1	7:02 AM	89	7:12 AM	90	Langata	0:10:00	0:16:00			4.4	CCN depot Langata	Picking of the supervisor	Picking the supervisor
1st	7.6	7:20 AM	91	7:24 AM	92	Langata	0:04:00	0:08:00			0.5	Ganhi ave Nairobi West	Garbage put in polythene bags	Garbage put in polythene bags which are mostly general public waste. Staffs are calm. Road is tarmacked with no traffic. Drizzling weather
2nd	8.1	7:26 AM	93	7:35 AM	94	Langata	0:09:00	0:02:00			0.5	Kisauni road Nairobi West	Garbage put in polythene bags	Garbage put in polythene bags which are mostly general public waste. Staff are calm. Road is tarmacked with no traffic
3rd	8.6	7:45 AM	95	10:37 AM	96	Langata	2:52:00	0:10:00			0.5	Birongo square, Nairobi West Shopping centre	Garbage put in a central place	Garbage put in central point and was a big heap which was accumulating. Staffs are calm. Road is tarmacked with no traffic. Drizzling weather. Later a tractor and a lorry were brought and helped in the garbage collection which was done fast.
4th	9.3	10:41 AM	97	10:44 AM	98	Langata	0:03:00	0:04:00			0.7	Ole Sankake road next to CNN depot Madraka	Garbage put in polythene bags	Garbage put in polythene bags on the road side. Staffs are calm. Road is tarmacked with no traffic.
5th	10.7	11:06 AM	99	11:15 AM	100	Langata	0:09:00	0:22:00			1.4	Madaraka Shopping Centre	Garbage put in a street bin	Garbage put in steel bin. Tarmack road with no traffic. Staff are calm with protective gear and gloves
6th	11.3	11:20 AM	101	12:31 PM	102	Langata	1:11:00	0:05:00			0.6	Madaraka Estate	Garbage put in a concrete houselike structure	Garbage is put in a concrete house-like structure, its mainly general public waste. Staff is calm with protective gear and gloves. No traffic and the road are tarmacked. Sunny weather.
Dumpsite	26.5	1:24 PM	103	1:28 PM	104	Embakasi		0:53:00	0:04:00		15.2	Dandora	Took weight details at weigh bridge	Took weight details at weigh bridge

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Parking/ Garage	37.8	3:00 PM	105	3:07 PM	106	Kamukunji		1:32:00			11.3	Landhies road	Parking of the truck and checking the tires	Parking of the truck and checking the tires
							4:59:00	3:44:00	0:04:00	8:47:00	37.8			
							4:59:00	3:44:00	0:04:00	8:47:00	37.8			
Office	44.6	3:58 PM	107	3:58 PM	107	Westlands	0:00:00	0:51:00			6.8			

### Sat 5 Dec 2009

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:14 AM	108	6:18 AM	109	Kamukunji					0	Landhies road	Arrival of driver and checking of tires	Driver found out one tire had a puncture
Crew Collection	2.7	6:37 AM	110	7:58 AM	11	CBD	1:21:00	0:19:00			2.7	Lagos road	Changing tires and picking of turn boys	Changing tires and picking of turn boys
Gas station	3.3	8:06 AM	112	8:22 AM	113	CBD	0:16:00	0:08:00			0.6	Kobil river road	Fuelling	Fuelling
Supervisor collection	7.8	8:42 AM	114	8:47 AM	115	Langata	0:05:00	0:20:00			4.5	CCN depot Madaraka	Picking the supervisor	Picking the supervisor
1st	15.5	9:07 AM	116	10:51 AM	117	Langata	1:44:00	0:20:00			7.7	Karanja road-Kibera	Garbage put in polythene bags in an iron sheet structure	Garbage put in polythene bags in an iron sheet structure for collection. Garbage is mainly general public waste. Staffs are calm and manageable. Sunny and hot weather. There was no traffic. Karanja road is an all weather road
Dumpsite	38	12:19 PM	118	12:51 PM	119	Embakasi		1:28:00	0:32:00		22.5	Dandora	Took weight details at weigh bridge	Took weight details at weigh bridge
							3:26:00	2:35:00	0:32:00	6:33:00	38			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	50.7	1:59 PM	120	2:19 PM	121	Langata	0:20:00	1:08:00			12.7	CCN depot Madaraka	Garbage put in polythene bags by the road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was a lot of traffic.	Garbage put in polythene bags by the road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was a lot of traffic.
2nd	52.4	2:33 PM	122	2:36 PM	123	Langata	0:03:00	0:14:00			1.7	Mbagathu road	Garbage put in polythene bags by the road side	Garbage put in polythene bags by the road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was no traffic. Tarmac road
3rd	53	2:38 PM	124	2:39 PM	125	Langata	0:01:00	0:02:00			0.6	Langata road	Garbage put in polythene bags by the road side	Garbage put in polythene bags by the road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was no traffic. Tarmac road
4th	53.8	2:43 PM	126	2:49 PM	127	Langata	0:06:00	0:04:00			0.8	Gandhi avenue	Garbage put in polythene bags by the	Garbage put in polythene bags by the

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
												Nairobi West	polythene bags by the road side	road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was no traffic. Tarmac road
5th	54.1	2:54 PM	128	3:07 PM	129	Langata	0:13:00	0:05:00			0.3	Kisauni road Nairobi West	Garbage put in polythene bags by the road side	Garbage put in polythene bags by the road side. General public wastes and thorns cut from bushes. Staffs are calm and Sunny and hot weather. There was no traffic. Tarmac road
6th	54.7	3:13 PM	130	3:57 PM	131	Langata	0:44:00	0:06:00			0.6	Birongo Square Nairobi West	Garbage put in open sacks by the roadside	Garbage put in open sacks by the roadside and others put at central point. Mainly public wastes. Calm staff. Minimal traffic. Sunny and hot
Dumpsite	69	4:49 PM	132	5:05 PM	133	Embakasi		0:52:00	0:16:00		14.3	Dandora	Dumping	Dumping
Garage	78.9	5:34 PM	134	5:39 PM	135	Kamukunji		0:29:00			9.9	Landhies road	Parking of truck and checking of tires	Parking the truck and checking the tires
							1:27:00	3:00:00	0:16:00	4:43:00	40.9			
							4:53:00	5:35:00	0:48:00	11:16:00	78.9			
Office	84.5	5:57 PM	136	5:57 PM			0:00:00	0:18:00			5.6			

### 3) KPB 303 (Private Collectors)

Mon 30 Nov 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:39 AM	1	5:47 AM	2	CBD						Tom Mboya street KTDA	Garbage in large bins	Garbage in large bins.No spillages
1st	0.3	5:53 AM	3	5:59 AM	4	CBD	0:06:00	0:06:00			0.3	Central Park Hotel. Sheik Karume Street.	Garbage in polythene bags	Garbage in polythene bags. No spillages
2nd	0.035	6:02 AM	5	6:04 AM	6	CBD	0:02:00	0:03:00			-0.265	Luthuli Lane	Garbage in bins	Garbage in bins
3rd	0.4	6:05 AM	8	6:09 AM	9	CBD	0:04:00	0:01:00			0.365	Good Hoppe Restaurant River Road	Garbage in bins	Garbage in bins. Loose solid waste
4th	0.7	6:11 AM	10	6:19 AM	11	CBD	0:08:00	0:02:00			0.3	Cross Lane	Garbage in crates and bins	Garbage loosely parked in bins, Traffic congestion and very narrow street. Some garbage in sisal bags
5th	1.2	6:46 AM	12	6:49 AM	13	CBD	0:03:00	0:27:00			0.5	Cross Road, Gate way butchery	Garbage in bins and loose bags	There was a huge jam at crossroad causing delayed access to the 6th collection point. Some dustbins are broken.No hand gloves
6h	1.3	6:57 AM	14	7:03 AM	15	CBD	0:06:00	0:08:00			0.1	Cross Road, Delta lane cafe	Garbage in sisal bags	Garbage in sisal bags

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
7th	1.35	7:05 AM	16	7:16 AM	17	CBD	0:11:00	0:02:00			0.05	Cross road step in/ Kahore tyres	Garbage in sisal bags	Garbage in sisal bags. Some dustbins broken. Slight spillages but they were collected by crew soon after and thrown into truck
8th	1.9	7:20 AM	18	7:41 AM	19	CBD	0:21:00	0:04:00			0.55	Accra road/ modern coast	Garbage in sisal bags and solid drums	Garbage in plastic drums. Mostly food wastes (vegetables). Dustbins broken and in bad shape
9th	2	7:43 AM	20	7:48 AM	21	CBD	0:05:00	0:02:00			0.1	Accra road pop in service station	Truck fueling, Garbage in drums	Fueling. Garbage in drums
10th	2.3	7:50 AM	22	8:03 AM	23	CBD	0:13:00	0:02:00			0.3	Duruma road	Garbage in sisal bags and polythene bags	Garbage in plastic bags. Broken bins
11th	2.6	8:05 AM	24	8:09 AM	25	CBD	0:04:00	0:02:00			0.3	River road/good hope bar	Dust bins in good condition	Garbage in plastic bags. Broken bins
12th	2.6	8:10 AM	26	8:12 AM	27	CBD	0:02:00	0:01:00			0	Luthuli avenue /Asachi ltd	Garbage in gunny bags	Gunny bags
13th	2.8	8:16 AM	28	8:21 AM	29	CBD	0:05:00	0:04:00			0.2	Munyru road/Alfa hotel	Plastic bags, no major garbage	Plastic bags. No major roads
14th	2.9	8:23 AM	30	8:37 AM	31	CBD	0:14:00	0:02:00			0.1	Rolnald Ngala/post office	Plastic bags and dustbins over loaded	Mostly food wastes, overflowing garbage on plastic bins
Dumpsite	12	9:23 AM	32	11:16 AM	33	Embakasi		0:46:00	1:53:00		9.1	Dandora	Dumpsite	On the way to the dumpsite there was slight jam along Juju road
							1:44:00	1:52:00	1:53:00	5:29:00	12			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	22.1	12:11 PM	34	12:22 PM	35	CBD	0:11:00	0:55:00			10.1	Landhes Rd. Opp salvation army	Bins from buildings. Busy road	Busy street. Garbage in bins and sacks
2nd	22.8	12:40 PM	36	12:42 PM	37	CBD	0:02:00	0:18:00			0.7	Temple road/ chemist	Loose rubbish in polythene bags and gunny bags	Busy street. Garbage collected in gunny bags and thrown in lorry. Loose garbage mostly organic
3rd	23.3	12:46 PM	38	1:04 PM	39	CBD	0:18:00	0:04:00			0.5	Ronarb Ngala.opp post office	Plastic bags and gunny bags overloaded with garbage	Second time for the remaining houses. Loose garbage collected by gunny bags and thrown into the parked truck. Busy road
4th	24.2	1:22 PM	40	1:51 PM	41	CBD	0:29:00	0:18:00			0.9	Sheikh Karume lane	Loose garbage bags. Road is flooded	Bad road condition with mud and stagnant water. Rubbish and garbage in plastic bags and thrown into lorry
5th	24.7	2:03 PM	42	2:40 PM	43	CBD	0:37:00	0:12:00			0.5	Kumasi Road/ Simba coach	Garbage in drums from buildings	Garbage in drums from buildings
6h	24.9	3:00 PM	44	3:08 PM	45	CBD	0:08:00	0:20:00			0.2	River road/pop in service station	Garbage in drums	Garbage in drums
7th	26.9	3:19 PM	46	3:35 PM	47	CBD	0:16:00	0:11:00			2	Kijabe street/ Contractors garage	Transferring garbage to the subject truck	Transferring garbage from one truck to the monitored truck to be taken to dumpsite
Dumpsite	36.2	4:30 PM	48	6:23 PM	49	Embakasi		0:55:00	1:53:00		9.3	Dumpsite	Dumpsite	The lorry delayed due to the fact that it got stuck in the mud
Garage	46	7:03 PM	50	7:03 PM				0:40:00			9.8	Kijabe street/ Garage	sleep	Parking
							2:01:00	3:53:00	1:53:00	7:47:00	34			
							3:45:00	5:45:00	3:46:00	13:16:00	46			

Tue 1 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	75.9			5:05 AM	51	CBD					0	Kijabe street		
1st	78.5	5:22 AM	52	5:48 AM	53	CBD	0:26:00	0:17:00			2.6	Harambee Avenue-Reinsuarance plaza	Loose wrapped waste transported by sacks	Colected by sacks from garbage.Assorted including papers and food wastes. Staffs are oordrely.
2nd	79.2	5:53 AM	54	6:03 AM	55	CBD	0:10:00	0:05:00			0.7	KTDA Building, Tom Mboya	Garbage in large bins, some bins are broken	Garbage in large rectangular bins, some are broken. Garbage consists on papers and other
3rd	81.2	6:09 AM	56	6:15 AM	57	CBD	0:06:00	0:06:00			2	MrukaLane -Transwide pharma-ceuticals	Garbage in drums and on the concrete floor	Garbage in drums and on the floor
4th	81.4	6:18 AM	58	6:31 AM	59	CBD	0:13:00	0:03:00			0.2	East matt stores-Mfangano street	Garbage collected from shops and buildings	Loose garbage and collected in gunny bags and drums. Wet and cloudy weather.
5th	81.9	6:33 AM	60	6:36 AM	61	CBD	0:03:00	0:02:00			0.5	New famous Hotel/ Uyoma strret	Kitchen wastwes in bulk	Kitchen wastes and ashes
6th	82.4	6:38 AM	62	7:01 AM	63	CBD	0:23:00	0:02:00			0.5	Sandton palace-Taveta road	Loose garbage from a container	Loose garbage from central container placed in sack and offloaded in the vehicle. No spillage observed
7th	82.5	7:03 AM	64	7:09 AM	65	CBD	0:06:00	0:02:00			0.1	Taveta Road, Taveta court	Garbage in plastic bins	Garbage in plastic bins
8th	82.9	7:13 AM	66	7:24 AM	67	CBD	0:11:00	0:04:00			0.4	Hotel Central Park, Sheikh Karume Road	Garbage in plastic bins and plastic bags	Garbage in plastic bins
Gas station	83.9	7:29 AM	68	7:34 AM	69	CBD	0:05:00	0:05:00			1	Pop in service station, River Road	Re-fuelling Garbage in drums	Re-fuelling vehicle. Garbage in drums
9th	84.9	7:40 AM	70	7:43 AM	71	CBD	0:03:00	0:06:00			1	Nairobi Projectors Services Station-Moktar dada Street	No much garbage	No much garbage
10th	85.5	7:46 AM	72	7:53 AM	73	CBD	0:07:00	0:03:00			0.6	Twiga motors, Monroria Street	Garbage in plastic bags	Garbage in plastic bags
11th	86	7:56 AM	74	7:59 AM	75	CBD	0:03:00	0:03:00			0.5	Koinange close	Garbage in plastic bags and drum	Garbage in plastic bags
12th	86.2	8:02 AM	76	8:07 AM	77	CBD	0:05:00	0:03:00			0.2	Finance house, Banda street	Garbage in plastic bins	Garbage in plastic bins
13th	87	8:13 AM	78	8:35 AM	79	CBD	0:22:00	0:06:00			0.8	Impala down town Ltd, Tom Mboya Street	Loose garbage in sacks	Loose garbage in sacks
14th	88.3	8:43 AM	80	8:47 AM	81	CBD	0:04:00	0:08:00			1.3	Scripture Union, Tom Mboy street	Garbage in drums and plastic bags	Garbage in drums and broken bins
15th	89.2	8:59 AM	82	9:16 AM	83	CBD	0:17:00	0:12:00			0.9	Uniform distributors, Duruma Street	Garbage in drums and and plastic bags	Garbage in drums and heaps from different shops aand premises collected together in sisal bags and thrown inside the lorry.Mostly used pajers and cartons
16th	89.7	9:32 AM	84	9:35 AM	85	CBD	0:03:00	0:16:00			0.5	River Road	Pop in service river road	Re-fuelling for journey to dumpsite
Dumpsite	99.6	10:40 AM	86	12:40 PM	87	Embakasi		1:05:00	2:00:00		9.9	Dandora	Littered	Garbage segregated by sreet boys who collect valuables therefore delaying the offloading process which is manual
							2:47:00	2:48:00	2:00:00	7:35:00	23.7			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	113.6	1:35 PM	88	1:47 PM	89	Milimani	0:12:00	0:55:00			14	state house Road, kllimani court 1572	Clean and no much garbage -dustbin	Clean and not much garbage. Garbage in polythene bags
2nd	114.1	1:51 PM	90	1:56 PM	91	Milimani	0:05:00	0:04:00			0.5	Statehouse Road, Kilimani retreat villas	Clean and no much garbage, polythene bags	Clean and not much garbage .Garbage in polythene bags
3rd	114.7	2:02 PM	92	2:08 PM	93	Milimani	0:06:00	0:06:00			0.6	Vandex House off lenana Road	Clean and no much garbage, polythene bags	Not much garbage, garbage in polythene bags
4th	114.9	2:09 PM	94	2:16 PM	95	Milimani	0:07:00	0:01:00			0.2	Makuyu Lane off Lenana road	Not much garbage, use of plastic bags	Clean and not much garbage.Garbage in plastic bags
5th	116	2:20 PM	96	2:25 PM	97	Milimani	0:05:00	0:04:00			1.1	Jabavu Court, Jabavu road	Not much garbage, use of bins and plastic bags	Not much garbage.Use of bins and plastic bags. Organised.
6th	116.1	2:27 PM	98	2:37 PM	99	Milimani	0:10:00	0:02:00			0.1	Woodlands lane	Not much garbage,	Jam on Argwings Kodhek road. Not much garbage
7th	116.7	2:43 PM	100	2:57 PM	101	Milimani	0:14:00	0:06:00			0.6	Olives Garden Hotel. off Arwings Kodhek road	Rubbish in metal container	Rubbish in metal containment in an enclosed concrete area. Bins containing kitchen wastwes eg ashes
8th	117.2	3:03 PM	102	3:09 PM	103	Milimani	0:06:00	0:06:00			0.5	Cullistan off Argwings Kodhek	Not much garbage, Area clean	Not much garbage.Clean area
9th	118.5	3:20 PM	104	3:25 PM	105	Milimani	0:05:00	0:11:00			1.3	Kindaruma Road	Not much garbage,	Not much garbage. Drizzling weather
10th	120	3:33 PM	106	3:39 PM	107	Milimani	0:06:00	0:08:00			1.5	K-rep Center Wood avenue	Garbage in polythene bags from different destinations	Garbage in polythene bags from different offices
11th	121	3:45 PM	108	3:48 PM	109	Milimani	0:03:00	0:06:00			1	Hill Villas, Kayahwe Road	Garbage in polythene bags from different destinations	garbage in polythene bags from different destinations
12th	121.4	3:52 PM	110	3:56 PM	111	Milimani	0:04:00	0:04:00			0.4	Dennis Pritt road	Rest (Trading of valuables)	Rest.Trading of valuables by the parking boys therefore delaying the journey.
13th	122	4:09 PM	112	4:45 PM	113	Milimani	0:36:00	0:13:00			0.6	Kileleshwa Day nursery, Gichugu road	Transferring garbage from one truck to another	The garbage was transfered to the truck from another sister truck so as to fill it to the dumpsite
Dumpsite	137.2	5:59 PM	114		115	Embakasi		1:14:00			15.2	Dandora	No offloading done	It was not possible to offload the garbage due to the fact that the vehicle arrived at 5.59pm and the dumpsite was already closed at 5 pm.Hence it had to spend the night near the dumpsites.
							1:59:00	3:20:00		5:19:00	37.6			
							4:46:00	6:08:00	2:00:00	12:54:00	61.3			

Wed 2 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	172.1	10:22 AM	116		117	CBD		10:22:00			34.9	Kijabe street	Cancelled and rescheduled	Cancelled and rescheduled

Thu 3 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	190.3	5:00 AM		5:01 AM	118	CBD					0	Kijabe street	Contractors garage	Wet and rainy morning
Gas station	191.7	5:07 AM	119	5:10 AM	120	CBD	0:03:00	0:06:00			1.4	Pop in service station River Road	Refuelling	Wet cold and rainy morning
1st	192.9	5:15 AM	121	5:35 AM	122	CBD	0:20:00	0:05:00			1.2	Kenya re Building. Harambee Avenue	Use of bins and chute room	Wet cold and rainy morning. Garbage inside metal bin and in chute room mainly cartons, papers and office stationery wastes
2nd	193.2	5:39 AM	123	5:55 AM	124	CBD	0:16:00	0:04:00			0.3	KICC, Harambee avenue	Garbage in bags and taken to truck	Delay by staff in opening of the facility causing delay in loading the garbage.
3rd	194.3	6:01 AM	125	6:14 AM	126	CBD	0:13:00	0:06:00			1.1	KTDA Building Tom Mboya	In open broken bins	Wet garbage in open bins, some are shelterd. Garbage is mostly papers and food wastes
4th	195.4	6:21 AM	127	6:26 AM	128	CBD	0:05:00	0:07:00			1.1	Home Away from home, Muruka lane	Garbage in drums and bins, Some on the floor	Garbage in drums, some on the concrete floor. Raining.
5th	195.6	6:28 AM	129	6:44 AM	130	CBD	0:16:00	0:02:00			0.2	East matt stores-Mfangano street	Garbage in bins and plastic bags	Garbage in plastic bags and plastic bins. Garbage mainly kitchen wastes
6th	196.7	6:50 AM	131	7:01 AM	132	CBD	0:11:00	0:06:00			1.1	Central Park Hotel. Sheik Karue Street.	Garbage In plastic bags from the building	Garbage in plastic bags and drums. Mainly paper wastes and also food wastes. The truck blocked the road
7th	197.2	7:07 AM	133	7:14 AM	134	CBD	0:07:00	0:06:00			0.5	New shadow studio-Gab erone road	Garbage In drums	Garbage in drums from hotels and other sources. Papers from office
8th	197.6	7:20 AM	135	7:45 AM	136	CBD	0:25:00	0:06:00			0.4	London beauty business, Taveta road	Garbage In a container	Garbage in a contaainer and other sources around the area.
9th	197.7	7:46 AM	137	7:57 AM	138	CBD	0:11:00	0:01:00			0.1	Taveta court, Taveta road	Garbage In drums	Garbage in plastic drums and containers.
10th	199.4	8:08 AM	139	9:42 AM	140	CBD	1:34:00	0:11:00			1.7	Neno Evangelis Haille Sellasie Avenue	Garbage In broken bins	Kitchen wastes drippings observed. Garbage is mainly general public wastes and food wastes. Orderly staff. Dry road, No traffic jam. Sunny weather
11th	202.3	9:54 AM	141	10:57 AM	142	CBD	1:03:00	0:12:00			2.9	Government Printers, Haille Sellasie avenue	Garbage In large bins. Paper wastes	Garbage in large bins. General spillages outside bins. General public wastes mainly paper wastes. Staff orderly. Slippery road. No traffic jam. Drizzling weather.
13th	202.8	11:12 AM	143	11:19 AM	144	CBD	0:07:00	0:15:00			0.5	Scripture Union, Tom Mboy street	Garbage in drums. Kitchen wastes.	Garbage in metal drums. General public wastes mainly food wastes. Orderly staff Dry road, no traffic jam. Cloudy weather.
Dumpsite	213	12:40 PM	145	2:31 PM	146	Embakasi		1:21:00	1:51:00		10.2	Dandora	Garbage in heaps	Garbage in heaps.
Garage	222.3	4:15	147	4:20 PM	148	CBD	0:05:00	1:44:00			9.3	Contrac-	Garage	Garage



Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
		PM										tors site, Kijabe street		
							4:56:00	4:32:00	1:51:00	11:19:00	32			
							4:56:00	4:32:00	1:51:00	11:19:00	32			

### Fri 4 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	229.4	4:51 AM	149	5:04 AM	150	CBD					0	Contractors parking		
Gas station	230.8	5:10 AM	151	5:15 AM	152	CBD	0:05:00	0:06:00			1.4	Pop in service station River Road	Refueling of vehicle	Refueling of vehicle
1st	232.5	5:19 AM	153	5:37 AM	154	CBD	0:18:00	0:04:00			1.7	Kenya re Building Harambee Avenue	Garbage in a container and chute room	Garbage in chute rooms and collected by sacks and loaded into lorry. Some are put in the bio bin outside the building
2nd	233.3	5:41 AM	155	5:55 AM	156	CBD	0:14:00	0:04:00			0.8	KTDA Building Tom Mboya	Garbage in open open large bins some are broken. Paper wastes mainly	Garbage in open large bins .Some bins are broken. Paper wastes mainly
3rd	233.6	6:00 AM	157	6:15 AM	158	CBD	0:15:00	0:05:00			0.3	Hotel central park, Sheikh Karume Road	Garbage in plastic bags	Garbage in plastic bags
4th	235	6:20 AM	159	6:24 AM	160	CBD	0:04:00	0:05:00			1.4	Nairobi projector services Moktar Daddar Street	Garbage in plastic bags	Garbage in plastic bags
5th	235.8	6:27 AM	161	6:28 AM	162	CBD	0:01:00	0:03:00			0.8	Twiga motals Ltd- Monrovia street	No gabbage collected	No gabbage collected
6th	236.1	6:30 AM	163	6:35 AM	164	CBD	0:05:00	0:02:00			0.3	Development Bank, Banda street	Garbage in drums	Garbage in drums
7th	237.2	6:40 AM	165	6:54 AM	166	CBD	0:14:00	0:05:00			1.1	London beauty business centre Taveta road	Garbage in a container in central area	Garbage in a container in a central place. Some are in plastic bags
8th	237.3	6:55 AM	167	7:00 AM	168	CBD	0:05:00	0:01:00			0.1	Taveta court Taveta road	Garbage in drums	Garbage in drums
9th	237.9	7:05 AM	169	7:14 AM	170	CBD	0:09:00	0:05:00			0.6	Menengai house no 1 Gaberone lane	Garbage in drums from different locations	Garbage in drums from different places
Gas station	238.4	7:16 AM	171	7:18 AM	172	CBD	0:02:00	0:02:00			0.5	Pop in service station- River road	Refuelling	Refuelling the lorry.No garbage collected
10th	238.6	7:21 AM	173	7:24 AM	174	CBD	0:03:00	0:03:00			0.2	Supreme photo lab, Dubois road	No much Garbage in plastic bags	No much garbage.Garbage in plastic bags
11th	243.9	7:49 AM	175	7:59 AM	176	Milimani	0:10:00	0:25:00			5.3	Riverside estate,riversi de lane	Garbage in plastic bags.	Garbage in plastic bags
12th	244.8	8:06 AM	177	8:10 AM	178	Milimani	0:04:00	0:07:00			0.9	Salama River side Drive	Garbage in plastic bags.Not much garbage	No much garbage, garbage in plastic bags
13th	245.1	8:13 AM	179	9:05 AM	180	Milimani	0:52:00	0:03:00			0.3	9 3/4 Riverside Drive	Mostly plant wastes.Garb age in plastic bags	Mostly plant wastes and garbage in plastic bags
14th	245.1	9:06 AM	181	9:10 AM	182	Milimani	0:04:00	0:01:00			0	Riverside	Garbage in	Garbage contained in

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
												paddocks, Riverside Drive	bins.No much garbage.	bins, no dripping, orderley staff, dry road, no traffic jam, wet and cloudy weather
15th	246.8	9:16 AM	183	9:20 AM	184	Milimani	0:04:00	0:06:00			1.7	Mzima springs Road	No much Garbage in plastic bags	Garbage contained in plastic bags, no dripping, orderley staff, dry road, no traffic jam, wet and cloudy weather
16th	247.1	9:24 AM	185	9:25 AM	186	Milimani	0:01:00	0:04:00			0.3	691 Mzima springs Road	Garbage in bins	Garbage contained in bins, no dripping, orderley staff, dry road, no traffic jam, sunny and cloudy weather
17th	249.8	9:32 AM	187	9:50 AM	188	Milimani	0:18:00	0:07:00			2.7	Lavington	Rest by crew	Garbage contained in bins and plastic bags,no dripping,orderley staff, dry road, no traffic jam, wet and cloudy weather
18th	251.6	9:54 AM	189	10:02 AM	190	Milimani	0:08:00	0:04:00			1.8	Tara Cotta Restaurant, Makueni road	Garbage in drums	Garbage contained in drums, general public wastes no dripping, orderley staff, dry road, no traffic jam, sunny and cloudy weather
19th	252.1	10:03 AM	191	10:05 AM	192	Milimani	0:02:00	0:01:00			0.5	Jenno court Makueni road	Garbage in plastic bags	Garbage contained in plastic drums, general public wastes no dripping, orderley staff, dry road, no traffic jam, sunny and cloudy weather
20th	254.2	10:13 AM	193	10:18 AM	194	Milimani	0:05:00	0:08:00			2.1	Kileleshwa Nibs Hotel Kandara road	Garbage in drums	Garbage contained in drums, general public wastes no spillage, orderley staff,dry road, no traffic jam, sunny and cloudy weather
21st	254.4	10:19 AM	195	10:29 AM	196	Milimani	0:10:00	0:01:00			0.2	Aboretutum court Gichugu Road	Garbage in plastic bags	Garbage contained in plastic bags,general public wastes no spillage, orderley staff, dry road, no traffic jam,sunny weather
22nd	254.7	10:33 AM	197	10:36 AM	198	Milimani	0:03:00	0:04:00			0.3	Brooklyn palm, Ole Kajuado road	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
23rd	256.1	10:44 AM	199	10:52 AM	200	Milimani	0:08:00	0:08:00			1.4	Tabere Close	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
24th	256.9	10:58 AM	201	11:00 AM	202	Milimani	0:02:00	0:06:00			0.8	Githunguri Road	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
25th	261.7	11:17 AM	203	11:22 AM	204	Milimani	0:05:00	0:17:00			4.8	Kaptutei garden Suguta Road	Garbage in plastic bins and bags	Garbage contained in plastic bags, general public wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
26th	263.1	11:29 AM	205	11:33 AM	206	Milimani	0:04:00	0:07:00			1.4	Argwiongs Kodhek Road	Garbage in plastic bags	Garbage contained in plastic bags and bins,general public wastes no drippings or spillage, orderley staff, dry road, no traffic jam,
27th	266.2	11:51	207	11:54 AM	208	Milimani	0:03:00	0:18:00			3.1	Kindaruma	Garbage in	Garbage contained in

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
		AM										gardens Kindaruma Road	plastic bags	plastic bags,general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
28th	267.8	12:00 PM	209	12:06 PM	210	Milimani	0:06:00	0:06:00			1.6	K-rep Center wood avenue	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
29th	269.4	12:12 PM	211	12:21 PM	212	Milimani	0:09:00	0:06:00			1.6	Makuyu Lane	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
30th	269.5	12:23 PM	213	12:31 PM	214	Milimani	0:08:00	0:02:00			0.1	Red sea bar Lenana Road	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
31st	270.2	12:36 PM	215	12:41 PM	216	Milimani	0:05:00	0:05:00			0.7	1572 Dennis pritt H Road	Garbage in plastic bags	Garbage contained in plastic bags, general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
32nd	270.9	12:45 PM	217	12:56 PM	218	Milimani	0:11:00	0:04:00			0.7	Retreat villas, Dennis pritt Road	Garbage in plastic bins and bags	Garbage contained in plastic bags, general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road,no traffic jam, sunny weather
33rd	271.9	1:12 PM	219	1:21 PM	220	Milimani	0:09:00	0:16:00			1	Jabavu court, jabavu Road	Garbage in plastic bags	Garbage contained in plastic bags and bins general public wastes and domestic wastes no drippings or spillage, orderley staff, dry road, no traffic jam, sunny weather
34th	272.5	1:29 PM	221	1:33 PM	222	Milimani	0:04:00	0:08:00			0.6	Barclays Bank, Argwings Kodhek Road	Garbage in plastic bags	Garbage contained in plastic bags and bins general public wastes and food wastes no spillage, orderley staff, dry road, traffic jam present, sunny weather
35th	272.8	1:37 PM	223	1:50 PM	224	Milimani	0:13:00	0:04:00			0.3	Olive garden Hotel Argwings Road	Garbage in a container and plastic bags	Garbage contained in bins and in concrete enclosure and bins general public wastes and food wastes spillages in the collection room, orderley staff, dry road, traffic jam present, sunny weather
Dumpsite	290.9	4:10 PM	225	5:40 PM	226	Embakasi		2:20:00	1:30:00		18.1	Dandora	Wet and dump site.	Wet and dump site.
Garage	300.8	7:30 PM	227	7:38 PM	228	CBD		1:50:00			9.9	Kijabe street	Garage	Garage
							5:03:00	7:53:00	1:30:00	14:26:00	71.4			
<b>Total</b>							<b>5:03:00</b>	<b>7:53:00</b>	<b>1:30:00</b>	<b>14:26:00</b>	<b>71.4</b>			

Sat 5 Dec 09

Location - Trip 1	Odom-eter	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	309	4:55 AM	229	5:21 AM	230	CBD					0	Garage		Reported at 4.55am, departed at 5.21am
Service station	310	5:29 AM	231	5:32 AM	232	CBD	0:03:00	0:08:00			1	Pop in service station, River road	Refuelling	Refuelling
1st	311.1	5:34 AM	233	5:47 AM	234	CBD	0:13:00	0:02:00			1.1	KTDA Building, Tom Mboya	Garbage in large broken plastic bins	Garbage in large plastic open bins, some bins are broken thereby spilling garbage
2nd	311.8	5:54 AM	235	6:17 AM	236	CBD	0:23:00	0:07:00			0.7	Kenya re Building. Harambee Avenue	Garbage in a container and chute room	Garbage in a container and chute room
3rd	314.1	6:26 AM	237	6:30 AM	238	CBD	0:04:00	0:09:00			2.3	Transwide Chemists, Muruka lane	Garbage on concrete floor and drum	Garbage is stord on a concrete pavement and in metal drums.Loose garbage mainly paper andc domestic wastes
4th	314.2	6:41 AM	239	6:41 AM	240	CBD	0:00:00	0:11:00			0.1	Eastmatt stores, Mfangano street	Garbage in plastic bags and bins	Garbage is storedin plastic bags and bins
5th	315.2	6:48 AM	241	6:55 AM	242	CBD	0:07:00	0:07:00			1	Gloria chips, Ronald Ngala street	Garbage in metal bins.Mainly domestic	Garbage is stored in metal bins and is mainly kitchen wastes
6th	315.5	6:57 AM	243	7:08 AM	244	CBD	0:11:00	0:02:00			0.3	Hotel Central Park, Sheikh Karume Road	Garbage in bins and plastic bags	Garbage is stored in bins and in plastic bags
7th	315.6	7:13 AM	245	7:16 AM	246	CBD	0:03:00	0:05:00			0.1	Bravia centre, Munyu road	Garbage in plastic buckets Mainly papers	Garbage in plastic paper, buckets and is mostly paper wastes
8th	315.8	7:18 AM	247	7:41 AM	248	CBD	0:23:00	0:02:00			0.2	London beauty business centre, Taveta road	Garbage in central container	Garbage placed in a central location on first floor of the building. Container made of metal
9th	315.9	7:44 AM	249	7:53 AM	250	CBD	0:09:00	0:03:00			0.1	Istanbul business centre, Taveta road	Loose garbage in plastic container	Loose garbage collected in plastic bags
10th	317.5	7:58 AM	251	8:04 AM	252	CBD	0:06:00	0:05:00			1.6	Okiprint stationers, Tsavo road	Loose statinery wastes	Loose stationery wastes collected by sisal bags and deposited on the truck
11th	317.8	8:08 AM	253	8:17 AM	254	CBD	0:09:00	0:04:00			0.3	Kim Photo studio, Gaberone road	Garbage in drums mainly kitchen wastes	Garbage in drums. Mainly kitchen wastes from hotel premises
12th	318.4	8:22 AM	255	8:47 AM	256	CBD	0:25:00	0:05:00			0.6	Imbiss fish and chips, Tom Mboya street	Garbage in plastic bags and sacks	Garbage collected in plastic bags and sacks
13th	318.9	8:53 AM	257	9:57 AM	258	CBD	1:04:00	0:06:00			0.5	Sheikh Karume lane	Garbage in plastic bags	Road is in a pathetic condition. Garbage is from supermarket
14th	319.9	10:08 AM	259	10:29 AM	260	CBD	0:21:00	0:11:00			1	KPCU Exchange lane	Garbage In broken plastic bins	Garbage in broken plastic bins
15th	320.4	10:31 AM	261	10:37 AM	262	CBD	0:06:00	0:02:00			0.5	Scripture Union, Tom Mboy street	Garbage in plastic bins	Garbage in plastic bins
16th	320.9	10:40	263	11:15 AM	264	CBD	0:35:00	0:03:00			0.5	Lotus	Garbage in	Garbage in bins, some

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
		AM										house, Haille Sellasie avenue	bins, some of them broken. Mostly domestic wastes.	broken. Mainly domestic bins
17th	323.7	11:39 AM	265	11:39 AM	266	CBD	0:00:00	0:24:00			2.8	Twiga motors, Monroria Street	Garbage in plastic bags and bins	Garbage in plastic bags and bins
Dumpsite	336.4	12:44 PM	267	2:38 PM	268	Embakasi		1:05:00	1:54:00		12.7	Dandora	Garbage in heaps	Heaps pf garbage but access road is cleared
							4:22:00	3:01:00	1:54:00	9:17:00	27.4			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Car wash	350.2	3:35 PM	269	3:59 PM	270	CBD	0:24:00	0:57:00			13.8	Kirinyaga road	Truck is cleaned	Truck is cleaned
20th	352.4	4:10 PM	271	4:15 PM	272	CBD		0:11:00			2.2	Kijabe street	Parking of truck	Parking of truck
							0:24:00	1:08:00	0		16			
							4:46:00	4:09:00	1:54:00	10:49:00	43.4			

Mon 7 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	170.8	4:45 AM	273	5:00 AM	274	CBD					0	Kijabe street		From garage at 4.56 am
Pop in service station	172.2	5:08 AM	275	5:22 AM	276	CBD	0:14:00	0:08:00			1.4	River road	refuelling	Refuelling of vehicle
1st	174.1	5:28 AM	277	5:41 AM	278	CBD	0:13:00	0:06:00			1.9	Kenya re Building, Harambee Avenue	Garbage in chute room and in a metal container	Garbage in chuterrooms. Some are in a metal container. Dry weather
2nd	174.4	5:45 AM	279	5:49 AM	280	CBD	0:04:00	0:04:00			0.3	KICC, Harambee avenue	Garbage in plastic bags and drums	Garbage in plastic bags and loaded in truck
3rd	175.4	5:54 AM	281	6:00 AM	282	CBD	0:06:00	0:05:00			1	KTDA Building, Tom Mboya	Garbage in large bins, some bins are broken	Garbage in large bins, some bins are broken
4th	176.6	6:07 AM	283	6:13 AM	284	CBD	0:06:00	0:07:00			1.2	Transwide Chemists, Muruka lane	Garbage in metal bins and on concrete floor	Garbage in metal bins, plastic bins and on concrete floor
5th	176.7	6:15 AM	285	6:30 AM	286	CBD	0:15:00	0:02:00			0.1	Eastmatt stores, Mfangano street	Garbage collected in plastic bags and drums	Garbage collected in plastic bags and sacks
6th	177.8	6:39 AM	287	7:06 AM	288	CBD	0:27:00	0:09:00			1.1	Hotel Central Park, Sheikh Karume Road	Garbage in plastic bags and drums	Garbage in plastic drums and bags
7th	178.1	7:08 AM	289	7:27 AM	290	CBD	0:19:00	0:02:00			0.3	Sonimax Electronics, Luthuli avenue	Garbage in loose paper bags put in sacks	Garbage in loose paper bags and put in sacks. General public wastes. Shining weather
8th	178.5	7:33 AM	291	7:51 AM	292	CBD	0:18:00	0:06:00			0.4	London beauty business centre, Taveta road	Garbage in central point in a container	Garbage in ceentral container on first floor of the building

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
9th	178.6	7:57 AM	293	8:07 AM	294	CBD	0:10:00	0:06:00			0.1	Taveta court, Taveta road	Garbage from different points, mainly office wastes	Garbage collected in plastic bags and sacks, General public wastes. Well behaved staff. Weather shining
10th	179	8:12 AM	295	8:20 AM	296	CBD	0:08:00	0:05:00			0.4	Koone clothing Mall, Tsavo road	Garbage in polythene bags	Garbage collected in plastic in plastic bags. General public wastes mostly papers. Good staff behaviour. Shinning weather
11th	179.2	8:24 AM	297	8:54 AM	298	CBD	0:30:00	0:04:00			0.2	Hotel Africana, Dubois road	Garbage in plastic bags	Garbage mainly food (kitchen wastes) Collected in plastic bags
12th	180.3	9:01 AM	299	9:55 AM	300	CBD	0:54:00	0:07:00			1.1	Gloria chips, Ronald Ngala street	Garbage in plastic bags and metal bins	Garbage is mainly kitchen wastes. Collected in bags, bins and drums
13th	180.5	9:59 AM	301	10:23 AM	302	CBD	0:24:00	0:04:00			0.2	Lens pharmacy, Mfangano street	Garbage in plastic bags	Garbage in plastic bags
14th	180.9	10:30 AM	303	10:40 AM	304	CBD	0:10:00	0:07:00			0.4	Sheikh Karume lane	Garbage in plastic bags and drums	Garbage in plastic bags and drums
15th	182.3	11:02 AM	305	11:14 AM	306	CBD	0:12:00	0:22:00			1.4	Scripture Union, Tom Mboy street	Garbage in drums and plastic bags	Garbage in drums and plastic bags
16th	182.6	11:17 AM	307	12:25 PM	308	CBD	1:08:00	0:03:00			0.3	Lotus house, Haille Sellasie avenue	Garbage in plastic bags and bins	Mostly food (kitchen wastes) and left overs. A few plastic and paper wastes
17th	182.8	12:30 PM	309	12:57 PM	310	CBD	0:27:00	0:05:00			0.2	Gicheri's pub, Mfangano lane	Garbage in plastic bags mostly kitchen wastes	Mostly food (Kitchen) wastes
18th	193	2:05 PM	311	4:10 PM	312	Embakasi		1:08:00	2:05:00		10.2	Dandora	Garbage in heaps.	Garbage in heaps.
19th	202.6	5:30 PM	313	5:31 PM	314	CBD		1:20:00			9.6	Kijabe street	Parking of truck	Parking of truck
							6:05:00	4:20:00	2:05:00	12:30:00	31.8			
							6:05:00	4:20:00	2:05:00	12:30:00	31.8			

4) KAD 891J (Private)

Mon 30 Nov 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	0	6:31 AM	1	7:34 AM	2	CBD	1:03:00					Tom Mboya street, Ambassadeur	Food and public wastes, Drippings and spills observed	This was the start point as truck had spent the night at the driver's residence. Use of cut-open sack, food and general public wastes, organised crew. Smooth road but congested traffic. Cold weather
2nd	1	7:40 AM	3	8:08 AM	4	CBD	0:28:00	0:06:00			1	Moi Avenue, Ambassadeur hotel	Broken beer bottles, cans empty cigarette and condom packs, Drippings noted	Use of closed sacks, broken beer bottles and cans plus empty cigarette and condom packets. Organised crew. Smooth road but congested traffic. Cold weather
3rd	1	8:14 AM	5	8:43 AM	6	CBD	0:29:00	0:06:00			0	Dubois road	Paper and hair wastes, no drippings or spills noted	Use of closed sacks and cartons plus plastic bins, paper and hair wastes. Organised crew. Smooth road, congested traffic. Calm weather
4th	1	8:49 AM	7	8:57 AM	8	CBD	0:08:00	0:06:00			0	Tsavo lane	Food wastes, no drippings or spills noted	Use of metal and plastic bins, food wastes. Organised crew. Smooth road, congested traffic. Calm weather
5th	1	9:16 AM	9	9:29 AM	10	CBD	0:13:00	0:19:00			0	Timboroa Lane	Food wastes, spills noted	Use of black plastic bags, food wastes. Organised crew. Smooth road, congested traffic. Cold weather
6th	2	9:35 AM	11	9:56 AM	12	CBD	0:21:00	0:06:00			1	Timboroa Drive	Food wastes, no spills noted	Use of plastic bins, Food wastes. Organised crew. Smooth road, congested traffic. Hot weather
7th	5	10:23 AM	13	10:59 AM	14	CBD	0:36:00	0:27:00			3	Kimathi street	Paper and wood wastes, no spills or drippings noted	Use of plastic bins and cartons, paper, wood and glass wastes. Organised crew, Smooth road, very congested traffic
8th	6	11:11 AM	15	11:14 AM	16	CBD	0:03:00	0:12:00			1	Banda street	Food wastes, no spills or drippings noted	Use of a plastic bin, food wastes. Organised crew, Sunny weather
9th	7	11:18 AM	17	11:31 AM	18	CBD	0:13:00	0:04:00			1	Stewart lane	Food and cartons wastes, no spills or drippings noted	Use of plastic bins bags. Food and carton wastes. Organised crew. Smooth road, congested traffic. Sunny weather
10th	7	11:34 AM	19	11:37	20	CBD	0:03:00	0:03:00			0	Haki Lane	Food wastes, no spills or drippings noted	Use of plastic drum. Food wastes. Organised staff. Smooth road, congested traffic. Sunny weather.
11th	7	11:44 AM	21	11:49 AM	22	CBD	0:05:00	0:07:00			0	Monrovia street	Paper wastes, no spills or drippings noted	Use of Plastic bin bags Paper wastes. Organised staff. Smooth road, congested traffic. Sunny weather
12th	9	12:09 PM	23	12:32 PM	24	CBD	0:23:00	0:20:00			2	Gaberone lane	Mainly food wastes, Spillage observed	Use of plastic drums. Food wastes. Organised crew. Smooth road, congested traffic. Sunny weather

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
13th	10	12:40 PM	25	12:48 PM	26	CBD	0:08:00	0:08:00			1	Tom Mboya street	Food and empty plastic soda bottles and paper wrappings wastes, no drippings or spillages observed.	Use of a green plastic drum. Food and empty soda bottles and plastic paper wrappings. Organised crew. Smooth road, congested traffic. Sunny weather.
14th	11	12:55 PM	27	1:02 PM	28	CBD	0:07:00	0:07:00			1	Ronald Ngala street	Food and empty plastic soda bottles and paper wrappings wastes, drippings and spillages noted.	Use of a green plastic drum. Food and empty soda bottles and plastic paper wrappings. Organised crew. Smooth road, congested traffic. Sunny weather.
Dumpsite	27	2:26 PM	29	4:16 PM	30	Embakasi		1:24:00	1:50:00		16	Dandora phase 2	Took garbage weight details, Several trucks in waiting cue	Lots of trucks in waiting. Area is very littered. Smooth road, congested traffic. Hot and sunny weather
Car wash	36	4:40 PM	31	5:17 PM	32	Embakasi	0:37:00	0:24:00			9	Kariobangi North	Manual washing of truck by two young men	Cleaning of vehicle. Smoooth then rough and bumpy road.Calm weather. 2 car wash staff
Yard	40	5:35 PM	33	5:38 PM	34	Embakasi		0:18:00			4	Umoja 1	Dry earth with sparse vegetation	Dry earth with scarce vegetation, congested traffic, calm weather. Smooth then rough road
							4:57:00	4:17:00	1:50:00	11:04:00	40			
<b>Total</b>							4:57:00	4:17:00	1:50:00	11:04:00	40			
Office	53	7:48 PM	35	7:48 PM		Westlands	0:00:00	2:10:00			13	Parklands	office building	Smooth road,congested traffic. Cold weather

## Tue 1 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:34 AM	36	5:36 AM	37	Embakasi						Umoja 1	Drizzling, dry weather	Dry earth with scattered vegetation, Iron sheet housing, Drizzling, Scarce traffic
Fuel Station	0	5:38 AM	38	5:42 AM	39	Embakasi	0:04:00	0:02:00			0	Umoja 1	No cue in waiting	Several cars refuelling, drizzling weather, scarce traffic
1st	12	6:12 AM	40	6:56 AM	41	Milimani	0:44:00	0:30:00			12	Pan Afric Hotel Valley Road	Food wastes, drippings and spills noted	Use of black plastic bags, food wastes and empty beverage containers,organised and composed crew, Smooth road and scarce traffic. Cold weather.
2nd	17	7:15 AM	42	7:44 AM	43	Industrial area	0:29:00	0:19:00			5	Dt Dobie boby shop Lusaka road	Paper and plastic wastes. No drippings or spillages	Collection by hand.Paper and plastic motor part wastes, organised crew. Smooth traffic, Slightly congested traffic.Cold weather
3rd	18	7:54 AM	44	8:36 AM	45	Industrial area	0:42:00	0:10:00			1	Dt Dobie Min office, Lusaka Road	Paper and plastic wastes. drippings and spillages noted	Use of open sacks and plastic sheets, paper and motor part wastes, organised crew, smooth road, congested traffic. Cold weather



Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
4th	27	9:06 AM	46	9:23 AM	47	Industrial area	0:17:00	0:30:00			9	Mombasa Road	No collection	The dustbin was not full. It has to be full for collection to be done, cold weather, crew had their breakfast here. fast traffic
5th	28	9:30 AM	48	10:28 AM	49	Industrial area	0:58:00	0:07:00			1	Mombasa Road	Food, paper and industrial wastes. No drippings or spillings noted	Collection by use of metal drums, Food wastes and industrial wastes plus paper wastes. Orderly crew. Smooth road, fast traffic. Drizzling weather
6th	32	10:36 AM	50	10:54 AM	51	Industrial area	0:18:00	0:08:00			4	Mombasa Road	Paper wastes. Drippings noted	Collection by cut open plastic sheets of paper, Paper wastes, Smooth road, fast traffic. Calm and still weather
7th	40	11:36 AM	52	12:57 PM	53	Industrial area	1:21:00	0:42:00			8	Patco Industries Industrial area	Sweet wrappers mass wastes and twigs. Drippings noted	Collection by closed clear plastic bags, Paper (sweet wrappers) wastes and wooden twigs. Organised and very co-operative crew. Rough road, Scarce traffic
Dumpsite	49	1:22 PM	54	2:34 PM	55	Embakasi		0:25:00	1:12:00		9	Dandora phase 2	Littered every where and emission of foul smell	Littered every where and emission of foul smell
							4:53:00	2:53:00	1:12:00	8:58:00	49			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	69	3:15 PM	56	3:31 PM	57	Industrial area	0:16:00	0:41:00			20	Cosmos Ltd Industrial area	Medical wastes and paper wastes. No spills or drippings	Use of plastic bags, medical wastes and paper wastes. Organised staff. Smooth road, congested traffic. Raining
drop off point	74	4:04 PM	58	4:16 PM	59	Embakasi	0:12:00	0:33:00			5	Umoja 1	Iron sheet warehouse filled with paper wastes	Iron sheet warehouse filled pre-dominantly with waste papers
Yard	75	4:20 PM	60	4:29 PM	61	Embakasi	0:09:00	0:04:00			1	Umoja 1	Dry earth with sparse vegetation	Dry earth, two vehicles belonging to zoa taka
							0:37:00	1:18:00	0	1:55:00	26			
<b>Total</b>							5:30:00	4:11:00	1:12:00	10:53:00	75			
Office	88	5:11 PM	62	5:11 PM		Westlands	0:00:00	0:42:00			13	Parklands	Sunset	

### Wed 2 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	0	6:39 AM	63	7:25 AM	64	CBD	0:46:00					Ambassadeur Hotel, Tom Mboya street	Food waste and empties. No drippings no spills	This was the start point as the truck had spent the night at the driver's residence. Use of fork jembes and open plastic sheets of paper, food wastes and empty beverage cans and bottles. Cold weather, Smooth road, Congested traffic

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
2nd	0	7:45 AM	65	8:11 AM	66	CBD	0:26:00	0:20:00			0	Dubois Road	Used cartons, hair and plastic wastes, no drippings and pills,	Use of hands and sisal sacks, used cartons, hair wastes and plastic items.Organised staff.Smooth road, congested traffic
3rd	0	8:18 AM	67	8:21 AM	68	CBD	0:03:00	0:07:00			0	Tsavo lane	Food waste, no drippings and pills,	Use of hands, metal bins, plastic buckets and plastic drums. Food wastes, Organised staff, Smooth road, congested traffic. Cold weather
4th	1	8:26 AM	69	8:42 AM	70	CBD	0:16:00	0:05:00			1	Bilmas Hotel-Timboroa road	Food waste, no drippings and pills,	Use of hands and plastic black bags, Food wastes, Organised crew. Smooth road, congested traffic. Sunny but cold weather.
5th	1	8:46 AM	71	8:55 AM	72	CBD	0:09:00	0:04:00			0	Timboroa lane	Empty condom packs and used drinking straws, no drippings or spills noted	Use of Metal drums, Used condom and cigarette packs, drinking straws, organised staff. Smooth road, Very congested traffic. Sunny weather
6th	1	8:59 AM	73	9:01 AM	74	CBD	0:02:00	0:04:00			0	Bakers inn, Timboroa Road	Food wastes and paper wrappings, no drippings no spills	Use of plastic drum, Food wastes and wrappings, organised staff, smooth road and Congested traffic. Sunny weather
7th	2	9:08 AM	75	9:12 AM	76	CBD	0:04:00	0:07:00			1	Ronald Ngala Street	Food wastes and paper wrappings, no drippings and pills,	Use of green plastic drum, food wastes, empty bottles, paper wrappings, organised staff. Smooth road, congested traffic. Sunny weather
8th	3	9:24 AM	77	9:33 AM	78	CBD	0:09:00	0:12:00			1	Kirinyaga road	Empty condom and security packs, no drippings or spills noted	Use of black plastic bags and plastic bins,empty condom packs and empty cigarette packs,organised staff,smooth road,congested traffic.Sunny weather
9th	4	9:45 AM	79	9:47 AM	80	CBD	0:02:00	0:12:00			1	Kweria road	Food waste, organised staff, no drippings and pills,	Use of closed sacks, wooden wastes, organised staff, smooth road, congested traffic, Sunny weather
10th	5	10:07 AM	81	10:08 AM	82	CBD	0:01:00	0:20:00			1	Kijabe street	Paper waste, no drippings and pills,	Use of cut-open sack, paper wastes, organised crew, smooth road, congested traffic. Sunny weather.
11th	7	10:16 AM	83	10:27 AM	84	CBD	0:11:00	0:08:00			2	Stewart lane	Food waste, organised staff, no drippings and pills,	Use of black plastic bags, food wastes, organised crew. Smooth road, congested traffic. Sunny weather.
12th	7	10:29 AM	85	10:33 AM	86	CBD	0:04:00	0:02:00			0	Haki lane	Food waste, no drippings and pills,	Use of blue metal drums, food wastes, organised crew, smooth road, Congested traffic. Sunny weather
13th	7	10:36 AM	87	10:44 AM	88	CBD	0:08:00	0:03:00			0	Monrovia street	Food waste, organised staff, no drippings and pills,	Use of black bin bags and plastic bins, paper wastes, organised crew, smooth road, congested traffic. Hot and sunny weather
14th	8	10:47 AM	89	11:35 AM	90	CBD	0:48:00	0:03:00			1	KEMU towers, Utalii lane	Paper wastes, no drippings and pills,	Use of a hand cart and one sack, paper wastes, organised staff, smooth road, congested traffic. Hot

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
														and sunny
15th	9	11:43 AM	91	11:52 AM	92	CBD	0:09:00	0:08:00			1	Kimathi street	Empty bottles, cigarette packs, organised staff, no drippings or pills,	Use of a plastic bin and bucet, empty bottles and cigarette packs plus food wastes, organised staff, smooth road, congested traffic. Sunny and hot
16th	10	12:02 PM	93	12:08 PM	94	CBD	0:06:00	0:10:00			1	Banda street	Food waste, no drippings and pills,	Use of a plastic drum, food wastes and paper wrappings, organised staff, smooth road, congested traffic. Sunny and hot
17th	11	12:18 PM	95	1:03 PM	96	CBD	0:45:00	0:10:00			1	Parliament building	paper waste, no drippings and pills,	Use of a cut open sack by swinging, paper wastes and plastic bottles and metal cans, organised staff, smooth road, congested traffic. Hot and sunny
18th	13	1:18 PM	97	1:34 PM	98	CBD	0:16:00	0:15:00			2	Gaberone Lane	Food waste, no drippings and pills,	Use of blue metallic drums, food wastes, organised staff, smooth road, congested traffic. Hot and sunny weather
Dumpsite	26	2:30 PM	99	4:57 PM	100	Embakasi		0:56:00	2:27:00		13	Dandora	Litter lying around. Sunny weather	Dusty, lots of litter lying around, Hot and sunny
Garage	35	5:18 PM	101	5:29 PM	102	Embakasi	0:11:00	0:21:00			9	Umoja 1	Dry earth and sparse vegetation	Dry earth and sparse vegetation, Iron sheet housing, six trucks in the garage
							4:36:00	3:47:00	2:27:00	10:50:00	35			
<b>Total</b>							4:36:00	3:47:00	2:27:00	10:50:00	35			
Office	50	6:28 PM	103	6:28 PM			0:00:00	0:59:00			15			Smooth road, Congested traffic, sunset

Thu 3 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:38 AM	104	5:43 AM	105	Embakasi						Umoja 1	Muddy and raining	Muddy and raining, scarce traffic
Fuel station	0	5:46 AM	106	5:48 AM	107	Embakasi	0:02:00	0:03:00			0	Umoja 1	Rainy, no other vehicles in waiting	No waiting que. Rainy, smooth road surface, Scarce traffic
1st	12	6:21 AM	108	7:17 AM	109	Milimani	0:56:00	0:33:00			12	Pan Afric Hotel/Valley road	Food wastes and plastic empties and cartons, no drippings and spills	Use of cartons, black bins, plastic bin bags. Food wastes and empty plastic bottles and cartons
2nd	16	7:34 AM	110	7:43 AM	111	Milimani	0:09:00	0:17:00			4	Lenwood apartments, Lenana road	General residential waste, no drippings and spills	Use of plastic bin bags, general residential waste, organised staff, smooth road, congested traffic, raining
3rd	21	8:19 AM	112	8:52 AM	113	Milimani	0:33:00	0:36:00			5	Capital hill, Community area	General residential waste, no drippings and spills	Use of hands and cut-open sacks by swinging, blue plastic bins and wheelbarrow, general residential waste, organised staff, smooth road, very congested road,

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
4th	23	9:05 AM	114	9:17 AM	115	Industrial area	0:12:00	0:13:00			2	Bunyala road	Industrial wastes, no drippings and spills	Use of a fork hoe, plastic drums and cut open sacks by swinging, general residential wastes. Organised staff. Smooth road, congested traffic. Chilly weather.
5th	25	9:22 AM	116	9:52 AM	117	Langata	0:30:00	0:05:00			2	Nairobi West estate	food and paper wastes, no drippings and spills	Use of a fork hoe and cut open sacks by swinging, general public wastes, organised staff, smooth road, fast traffic. Chilly weather
6th	28	10:26 AM	118	10:36 AM	119	Industrial area	0:10:00	0:34:00			3	Bandari lane	Industrial metallic waste, no drippings and spills	Use of fork lift and metal drum, industrial metallic wastes, organised staff. Smooth road, congested traffic. Sunny
7th	29	10:40 AM	120	10:55 AM	121	Industrial area	0:15:00	0:04:00			1	Daresalam road	Industrial waste, no drippings and spills	Use of metallic drums aided by a trolley, industrial wastes, organised staff, smooth road, congested traffic. Raining
8th	32	11:08 AM	122	11:12 AM	123	Industrial area	0:04:00	0:13:00			3	Lusaka road	Industrial waste, no drippings and spills	Use of plastic bin bags and metallic drums, no drippings and spills, industrial wastes, muddy and sticky road, scarce traffic, raining.
9th	33	11:35 AM	124	11:35 AM	125	Industrial area	0:00:00	0:23:00			1	Lusaka road	Industrial waste , no drippings and spills	Use of plastic bin bags, industrial wastes, muddy and sticky road, scarce traffic, raining.
10th	35	12:10 PM	126	1:02 PM	127	Industrial area	0:52:00	0:35:00			2	Daresalam road	Industrial waste, no drippings and spills	Use of cut-open sacks by swinging, industrial wastes, smooth road, congested traffic
11th	40	1:28 PM	128	2:16 PM	129	Industrial area	0:48:00	0:26:00			5	Glacier produts-In dustrial area	Industrial waste (mostly plastic wrappers), no drippings and spills	Use of cut-open sheet of polythene, closed clear plastic bags, industrial (mostly pre-used plastic bags), smooth road, congested traffic organised staff.
12th	54	3:44 PM	130	4:32 PM	131	Kasarani	0:48:00	1:28:00			14	Utalii hotel	General public waste, no drippings and spills	Use of cut-open sheet of nylon sack, general public wastes, organised staff. Smooth road, very congested traffic
Dumpsite	64	5:17 PM	132	7:25 PM	133	Embakasi		0:45:00	2:08:00		10	Dandora phase 2	Rainy and muddy	Smooth road, raining, congested traffic. Truck did not go to the yard, it went to the driver's residence
							5:19:00	6:15:00	2:08:00	13:42:00	64			
<b>Total</b>							5:19:00	6:15:00	2:08:00	13:42:00	64			
office	83	8:29 PM	134	8:29 PM		Westlands	0:00:00	1:04:00			19	Parklands	Sunset	Congested traffic

Fri 4 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	0	6:50 AM	135	7:35 AM	136	CBD	0:45:00					Ambassador hotel, Tom Mboya street.	Food wastes and plastic empties no spills and drippings	This was the start point as the truck had spent the night at the driver's residence. Use of cut open sheets of sack, food wastes and plastic and tin empties, organised staff, smooth road, congested traffic, cold weather.

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
2nd	0	7:40 AM	137	8:19 AM	138	CBD	0:39:00	0:05:00			0	Ambassador hotel, Moi avenue	Empty cigarettes and condom packs plus empty bottles	Closed sacks and plastic bins, cigarette packs and condom packs plus empty bottles, organised staff, smooth road, congested traffic, cold weather
3rd	1	8:25 AM	139	9:46 AM	140	CBD	1:21:00	0:06:00			1	Dubois road	Empty cartons of hair products, hair wastes.No drippings or spills	Cut-opensacks,empty cartons and hair products, organised staff, smooth road, congested traffic, cold weather
4th	1	9:59 AM	141	10:02 AM	142	CBD	0:03:00	0:13:00			0	Tsavo lane	Food waste, no spills and drippings	Use of plastic drums, buckets and sacks, food wastes, no drippings and spills, organised staffs, smooth road,congested traffic. Cold weather
5th	2	10:12 AM	143	10:24 AM	144	CBD	0:12:00	0:10:00			1	Hotel Bilmas, Timboroa road	Food waste, no spills and drippings	Use of plastic drums and black plastic bags .food waste, organised staffs, smooth road, congested traffic, Cold weather.
6th	2	10:34 AM	145	10:47 AM	146	CBD	0:13:00	0:10:00			0	Timboroa Lane	Food waste and empty condom packs no spills and drippings	Use of plastic drums,food waste and wrappers, organised staffs,smooth road,congested traffic,Sunny weather.
7th	2	10:51 AM	147	10:53 AM	148	CBD	0:02:00	0:04:00			0	Bakers inn,Timboroa road	Food waste, no spills and drippings	Use of plastic drum.food waste and wrappers, organised staffs, smooth road, congested traffic, Sunny weather.
8th	3	10:56 AM	149	11:10 AM	150	CBD	0:14:00	0:03:00			1	Fire station lane	Paper wastes, no spills and drippings	Use of open sack by swinging.paper wastes, organised staffs, smooth road, congested traffic, Sunny weather.
9th	4	11:22 AM	151	11:28 AM	152	CBD	0:06:00	0:12:00			1	Kweria road	wood wastes and food wastes, no spills and drippings	Use of closed sack and paper bag plus a plastic bin,wood wastes , organised staffs, smooth road, congested traffic, Sunny weather.
10th	5	11:40 AM	153	11:41 AM	154	CBD	0:01:00	0:12:00			1	Kijabe road	No collection	No collection-The container was not full yet
11th	6	11:48 AM	155	1:05 PM	156	CBD	1:17:00	0:07:00			1	Utali lane	Paper wastes, no spills and drippings	Use of hand cart and closed sack, paper wastes, organised staffs, smooth road, congested traffic, Sunny weather.
12th	7	1:12 PM	157	1:15 PM	158	CBD	0:03:00	0:07:00			1	Banda street	Food waste, no spills and drippings	Use of plastic drum, food wastes and wrappings, organised staffs, smooth road,congested traffic, Sunny weather.
13th	8	1:23 PM	159	1:54 PM	160	CBD	0:31:00	0:08:00			1	Parliament	General public waste, no spills and drippings	Use of cut open sacks, general public wastes, organised staffs, smooth road, congested traffic, Sunny weather.
14th	8	2:10 PM	161	2:14 PM	162	CBD	0:04:00	0:16:00			0	Tom Mboya street	Food wastes and wrappers, no spills and drippings	Use of green plastic bin, food wastes and paper wrappers wastes, organised staffs, smooth road, congested traffic, Sunny weather.

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
15th	9	2:24 PM	163	2:30 PM	164	CBD	0:06:00	0:10:00			1	Ronald Ngala street	Food waste and wrappers, no spills and drippings	Use of green plastic bin, food wastes and paper wrappers wastes, organised staffs, smooth road, congested traffic, Sunny weather.
Dumpsite	27	3:15 PM	165	5:18 PM	166	Embak asi	0:00:00	0:45:00	2:03:00		18	Dandora phase 2	Muddy, litter lying all around	Muddy, littered, Smooth road, Sunny weather, Congested traffic
Garage	31	5:32 PM	167	5:44 PM	168	Embak asi	0:12:00	0:14:00			4	Umoja	Dry earth, iron sheet fence and gate	Iron sheet housing, two other trucks in garage
							5:49:00	3:02:00	2:03:00	10:54:00	31			
<b>Total</b>							5:49:00	3:02:00	2:03:00	10:54:00	31			
Office	44	7:24 PM	169	7:24 PM		Westlands	0:00:00	1:40:00			13	Parklands		

Sat 5 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:44 AM	170	5:46 AM	171	Embakasi						Umoja 1	Dry earth, Iron sheet housing	Dry earth,number of several vehicles, Iron sheet fence and gate
1st	10	6:03 AM	172	7:26 AM	173	Industrial area	1:23:00	0:17:00			10	Butere Road	General public waste, no drippings and spills	Use of cut open sack using fork hoe and closed sacks, general public wastes, organised staff, smooth road, scarce traffic,
2nd	15	7:36 AM	174	9:05 AM	175	Milimani	1:29:00	0:10:00			5	Pan Afric Hotel, Valley road	Food waste and leaves, no drippings and spills	Use of black bin bags, use of a hoe and cut open cut sacks, food wastes, leaves empty plastic bottles, organised staff, smooth road, scarce and fast traffic,
Repair garage	19	9:55 AM	176	12:52 PM	177	Starehe	2:57:00	0:50:00			4	Gikomba Market	Fixing of broken wheel studs	Sunny weather, Rough road, congested traffic
3rd	24	1:17 PM	178	1:19 PM	179	Milimani	0:02:00	0:25:00			5	AIC Church	No collection	No garbage to be collected
4th	24	1:21 PM	180	1:39 PM	181	Milimani	0:18:00	0:02:00			0	State house crescent	Residential waste, no drippings	Use of black bin bags, residential wastes, organised staff, smooth road, congested traffic,
5th	28	1:51 PM	182	2:32 PM	183	Milimani	0:41:00	0:12:00			4	Hurlingham	General public waste, no drippings and spills	Use of black bin bags, general public wastes, organised staff, smooth road, scarce traffic, sunny weather.
6th	31	2:58 PM	184	3:08 PM	185	Milimani	0:10:00	0:26:00			3	Lenana mount Hotel	food waste, no drippings and spills	Use of black bin bags, food wastes, organised staff, smooth road, congested traffic, hot and sunny weather.
7th	32	3:13 PM	186	3:45 PM	187	Milimani	0:32:00	0:05:00			1	Y.W.C.A hostels	General residential waste, no drippings and spills	Use of cut open sacks, food wastes and general public wastes, organised staff, smooth road, and fast traffic, hot and
8th	32	3:50 PM	188	4:18 PM	189	Milimani	0:28:00	0:05:00			0	Y.W.C.A parkview	General residential waste, no drippings and spills	Use of cut open sacks, food wastes and general public wastes, organised staff, smooth road, and fast traffic, hot and sunny weather.
9th	37	4:32 PM	190	4:34 PM	191	Westlands	0:02:00	0:14:00			5	Riverside drive	General residential waste, no drippings and spills	Use of black bin bags, general residential wastes, organised staff, smooth road, scarce traffic, hot and sunny weather.

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
10th	46	5:13 PM	192	5:15 PM	193	Muthaiga	0:02:00	0:39:00			9	Muthaiga	General residential wastes, no drippings and spills	Use of black bin bags, general residential wastes, organised staff, smooth road, scarce traffic, hot and sunny weather.
Dumpsite	59	5:59 PM	194	7:22 PM	195	Muthaiga		0:44:00	1:23:00		Z13	Dandora	Littered	Muddy ground and littered
Garage	74	8:00 PM	196	8:04 PM	197	Embakasi	0:04:00	0:38:00			15	Umoja 1	Dry earth, Iron sheet housing	Iron sheet housing
							8:08:00	4:47:00	1:23:00	14:18:00	74			
<b>Total</b>							8:08:00	4:47:00	1:23:00	14:18:00	74			
Office	87	8:47 PM	198			Westlands		0:43:00			13	Parklands	dark	Fast traffic then congested

5) KAM 019 E (Private)

Mon 7 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:44 AM	147	6:45 AM	148	Makadara						Falcon lane	Vehicle inspection	Vehicle inspection
1st	2.3	7:07 AM	149	7:25 AM	150	Makadara	0:18:00	0:22:00			2.3	Migwani	No spills or drippings	Industrial wastes,use of white paper bags, organised staff with protective gear, cloudy weather
2nd	4.6	7:38 AM	151	8:13 AM	152	Makadara	0:35:00	0:13:00			2.3	Mogadishu road	No spills or drippings	Industrial wastes,use of white paper bags, organised staff with protective gear, cloudy weather
3rd	5.2	8:18 AM	153	8:58 AM	154	Makadara	0:40:00	0:05:00			0.6	Jumbo property	Spills swept	Industrial wastes,use of paper bags and metal container, organised staff with protective gear, cloudy weather, slow traffic
4th	6.1	9:03 AM	155	9:46 AM	156	Makadara	0:43:00	0:05:00			0.9	DHL	No spills or drippings	Industrial wastes,use of metal containers, organised staff with protective gear, cloudy weather, slow traffic
5th	6.4	9:57 AM	157	10:05 AM	158	Makadara	0:08:00	0:11:00			0.3	Bakers and Bites	No spills or drippings	Industrial wastes,use of metal containers, organised staff with protective gear, cloudy weather, slow traffic
6th	7.1	10:08 AM	159	10:13 AM	160	Makadara	0:05:00	0:03:00			0.7	Yala East Africa	no spills or drippings	Industrial wastes and nylons, organised staff with protective gear, cloudy weather
7th	8.7	10:20 AM	161	10:24 AM	162	Makadara	0:04:00	0:07:00			1.6	Pembe maize meals	No space for collection	Heavy traffic of lorries, hence no space for collection
8th	9.9	10:43 AM	163	10:49 AM	164	Makadara	0:06:00	0:19:00			1.2	BDF Nivea	No spills or drippings	Industrial wastes and nylons and general wastes, use of metal containers and paper bags, organised staff with protective gear, cloudy weather
9th	10.7	10:56 AM	165	11:08 AM	166	Makadara	0:12:00	0:07:00			0.8	Leaky storage	No spills or drippings	Office wastes and nylons and, use of plastic containers, organised staff with protective gear, cloudy weather with sunny intervals
10th	11.5	11:14 AM	168	12:21 PM	169	Makadara	1:07:00	0:06:00			0.8	Nairobi plastics	Spills swept	Industrial wastes and , use of white paper bags and matal container, organised staff with protective gear, cloudy weather
Garage	16.3	1:15 PM	170	1:18 PM	171	Makadara		0:54:00	0:03:00		4.8	Falcon lane	Off loading	Garbage dumped in the company premises, which is later loaded to another bigger truck using a conveyor belt and taken to the dumpsite at Dandora
							3:58:00	2:32:00	0:03:00	6:33:00	16.3			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
lunch break	20.3	1:49 PM	173	2:10 PM	174	Makadara	0:21:00	0:31:00			4		lunch break	lunch break
1st	20.5	2:14 PM	175	2:19 PM	176	Makadara	0:05:00	0:04:00			0.2	Marshalls Tata	No spills	Office wastes dumped at a selected corner of the compound, organised staff with protective gear, cloudy weather with sunny intervals



Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
2nd	21.1	2:23 PM	177	2:36 PM	178	Makadara	0:13:00	0:04:00			0.6	Desbro engineering	No spills	Industrial wastes and food wastes, organised staff with protective gear, sunny and cloudy weather
3rd	21.2	2:40 PM	179	3:15 PM	180	Makadara	0:35:00	0:04:00			0.1	Dormans coffe	Spills collected	Office wastes and other coffee wastes put in black and clear paper bags and sisal sacks, organised staff with protective gear, cloudy weather with sunny intervals
4th	22.7	3:29 PM	181	3:30 PM	182	Makadara	0:01:00	0:14:00			1.5	Easy coach	No collection	Container not filled, to be collected later
5th	23.2	3:34 PM	183	3:36 PM	184	Makadara	0:02:00	0:04:00			0.5	Commercial bank of Africa	No collection	Not enough garbage to be collected
6th	25.2	3:43 PM	185	5:11 PM	186	Makadara	1:28:00	0:07:00			2	Galaxy paints	Spills collected	Industrial wastes stored in a cubicle near the gate in nylon papers and sacks, organised staff with protective gear, sunny and cloudy weather
Garage	30.1	5:37 PM	187			Makadara		0:26:00			4.9	Falcon lane	Spent night with garbage	spent night with garbage
							2:45:00	1:34:00	0	4:19:00	13.8			
							6:43:00	4:06:00	0:03:00	10:52:00	30.1			

### Tue 8 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:20 AM	188	6:50 AM	189	Makadara			0:30:00			Falcon lane	off loading previous day's collection	
1st	6.8	7:12 AM	190	7:41 AM	191	Makadara	0:29:00	0:22:00			6.8	Pembe maize meals	Spills swept	Industrial wastes, general public wastes put in nylon bags, organised staff with protective gear, rough road, cloudy weather
2nd	7.3	8:18 AM	192	8:29 AM	193	Makadara	0:11:00	0:37:00			0.5	Biodeal lab	No spills	Industrial wastes, general office wastes put metal and plastic container, organised staff with protective gear, rough road, sunny weather, scarce traffic
3rd	7.7	8:32 AM	194	8:48 AM	195	Makadara	0:16:00	0:03:00			0.4	Chui autu spare	No spills	Industrial wastes, general office wastes put metal container, organised staff with protective gear, rough road, cloudy weather
4th	8.1	8:50 AM	196	8:53 AM	197	Makadara	0:03:00	0:02:00			0.4	Classic sole manufacture	No collection	Not enough garbage to be collected
5th	8.6	8:54 AM	198	9:00 AM	199	Makadara	0:06:00	0:01:00			0.5	Sudi chemical industries	No spills	Industrial wastes put in large clear paper bags, organised staff with protective gear, rough road, cloudy weather
6th	10.1	9:16 AM	200	9:26 AM	201	Makadara	0:10:00	0:16:00			1.5	Ish plastic	Spills swept	Industrial wastes wrapped in nylon bags, organised staff with protective gear, rough road, cloudy and sunny weather
7th	11.1	9:33 AM	202	9:41 AM	203	Makadara	0:08:00	0:07:00			1	Bakers and Bites	No spills	Industrial wastes put in metal containers, organised staff with protective gear, rough road, cloudy and sunny weather

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
8th	11.6	9:45 AM	204	10:08 AM	205	Makadara	0:23:00	0:04:00			0.5	Cardburys	No spills	Industrial wastes put in 3 metal containers and plastic bags, organised staff with protective gear, rough road, cloudy and sunny weather
9th	12.3	10:20 AM	206	10:34 AM	207	Makadara	0:14:00	0:12:00			0.7	Welding alloys	No spills	Industrial wastes, food wastes, organised staff with protective gear, rough road, cloudy and sunny weather
Garage	17.1	11:08 AM	208	11:54 AM	209	Makadara		0:34:00	0:46:00		4.8	Garage	Offloading to other truck	Offloading to other larger truck
							2:00:00	2:18:00	1:16:00	5:34:00	17.1			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	22.4	12:34 PM	210	2:45 PM	211	Makadara	2:11:00	0:40:00			5.3	Makongeni police station	Arrest of truck by police	Arrest of truck by police and sent to Makongeni place station
2nd	25.3	2:53 PM	212	4:31 PM	213	Makadara	1:38:00	0:08:00			2.9	Industrial area police station	Release of truck	Released by Industrial area police station officers
3rd	26.2	4:40 PM	214	5:03 PM	215	Makadara	0:23:00	0:09:00			0.9	Bakers and Bites	No spills	Industrial wastes wrapped in white paperbags, organised staff with protective gear, rough road, sunny weather, congested traffic
Garage	31.8	5:20 PM	216			Makadara		0:17:00			5.6	Falcon lane		
							4:12:00	1:14:00	0	5:26:00	14.7			
							6:12:00	3:32:00	1:16:00	11:00:00	31.8			

### Wed 9 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:54 AM	1	7:06 AM	2							Falcon lane	Inspection of vehicle	Inspection of vehicle
1st	3	7:21 AM	3	7:39 AM	4	Makadara	0:18:00	0:15:00			3	Sumaria LTD	No spills	Industrial wastes wrapped in paperbags, organised staff with protective gear, cloudy weather
2nd	6.1	7:52 AM	5	8:30 AM	6	Makadara	0:38:00	0:13:00			3.1	Pembe maize meals	Drippings swept clean	Industrial wastes and general wastes inside metal containers and nylon papers, organised staff with protective gear, cloudy weather
3rd	7.8	8:43 AM	7	8:48 AM	8	Makadara	0:05:00	0:13:00			1.7	Bakers and bite	No spills	Industrial wastes and food wastes inside metal containers, organised staff with protective gear, cloudy weather
4th	8.2	9:00 AM	9	9:39 AM	10	Makadara	0:39:00	0:12:00			0.4	DHL	Drippings swept clean	Industrial, general wastes and food wastes in paper bags, organised staff with protective gear, cloudy weather
5th	11.3	9:55 AM	11	11:08 AM	12	Makadara	1:13:00	0:16:00			3.1	Manufacturers and suppliers	Drippings swept clean	Industrial, general office wastes and food wastes inside metal container, organised staff with protective gear, cloudy weather

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
6th	11.4	11:16 AM	13	11:21 AM	14	Makadara	0:05:00	0:08:00			0.1	Comet	No spills	Industrial wastes inside metal container, organised staff with protective gear, cloudy weather
7th	11.5	11:22 AM	15	11:46 AM	16	Makadara	0:24:00	0:01:00			0.1	Bakers and bite	Drippings swept clean	Industrial and food wastes inside metal container, sisal bags and paper bags, organised staff with protective gear, cloudy weather
8th	11.9	11:52 AM	17	12:01 PM	18	Makadara	0:09:00	0:06:00			0.4	shah Timber	No spills	Industrial and general office wastes, organised staff with protective gear, cloudy weather
9th	12.6	12:04 PM	19	12:18 PM	20	Makadara	0:14:00	0:03:00			0.7	Pembe maize meals	No spills	Industrial and general office wastes inside metal container, nylon bags, organised staff with protective gear, cloudy weather
10th	13	12:25 PM	21	12:34 PM	22	Makadara	0:09:00	0:07:00			0.4	Soy Afric Ltd	No spills	Industrial and general wastes inside metal container , organised staff with protective gear, cloudy weather
Garage	18	1:24 PM	23	2:20 PM	24	Makadara		0:50:00	0:56:00		5	Falcon lane	Off loading to other truck	Off loading to other truck
							3:54:00	2:24:00	0:56:00	7:14:00	18			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	23	2:46 PM	25	3:16 PM	26	Makadara	0:30:00	0:26:00			5	KWAL	Drippings swept clean	Industrial and general office wastes, organised staff with protective gear, sunny weather
2nd	24.8	3:26 PM	27	3:30 PM	28	Makadara	0:04:00	0:10:00			1.8	Ndovu Holdings	No spills	Industrial wastes wrapped in paper bags, organised staff with protective gear, sunny weather
3rd	25.1	3:31 PM	29	4:07 PM	30	Makadara	0:36:00	0:01:00			0.3	Proctor and Allan	Drippings swept clean	Industrial wastes and general public wastes put in nylon bags in metal containers, organised staff with protective gear, sunny weather
4th	25.9	4:14 PM	31	4:22 PM	32	Makadara	0:08:00	0:07:00			0.8	Improtech (K)	No spills	Industrial wastes and general public wastes put in metal containers, organised staff with protective gear, sunny weather
5th	26.2	4:24 PM	33	4:28 PM	34	Makadara	0:04:00	0:02:00			0.3	Elite tools	No spills	Industrial wastes and general office wastes wrapped in paper bags, organised staff with protective gear, sunny weather
6th	26.7	4:30 PM	35	4:54 PM	36	Makadara	0:24:00	0:02:00			0.5	Wimpy restaurant	No spills	food wastes wrapped in black paper bags, organised staff with protective gear, sunny weather
Garage	32.2	5:25 PM	37	5:25 PM		Makadara		0:31:00			5.5	Falcon lane		
							1:46:00	1:19:00	0	3:05:00	14.2			
							5:40:00	3:43:00	0:56:00	10:19:00	32.2			

Thu 10 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:20 AM	38	6:34 AM	39	Makadara						Falcon lane		
1st	7.1	6:56 AM	40	7:15 AM	41	Makadara	0:19:00	0:22:00			7.1	Nakumatt mega	Spills swept	flower and vegetable wastes wrapped in black paper bags and in metal containers, organised staff with protective gear,
2nd	8.5	7:23 AM	42	7:42 AM	43	Makadara	0:19:00	0:08:00			1.4	Stantech motors	No spills	Industrial and general public wastes in metal containers, organised staff with protective gear,
3rd	10	8:05 AM	44	8:33 AM	45	Makadara	0:28:00	0:23:00			1.5	Mater Hospital	Spills collected	Medical wastes in blue paper bags metal containers, organised staff with protective gear, congested traffic
4th	13.8	8:46 AM	46	9:52 AM	47	Makadara	1:06:00	0:13:00			3.8	Kenya Grange	Spills swept	Industrial wastes, food wastes and general public wastes in black paper bags and metal containers, organised staff with protective gear, congested traffic
5th	14.7	9:56 AM	48	9:57 AM	49	Makadara	0:01:00	0:04:00			0.9	BG Bison	No collection	Not enough garbage to be collected
6th	15.8	10:02 AM	50	10:08 AM	51	Makadara	0:06:00	0:05:00			1.1	Caltex	No spills	General public wastes paper bags and metal container, organised staff with protective gear, cloudy weather, congested traffic
7th	17.2	10:15 AM	52	10:30 AM	53	Makadara	0:15:00	0:07:00			1.4	Top job motors	Spills swept	Industrial wastes and general public wastes in metal container, organised staff with protective gear, cloudy weather and sunny intervals, congested traffic
8th	18	10:38 AM	54	11:04 AM	55	Makadara	0:26:00	0:08:00			0.8	Makiga Eng	Spills swept	Industrial wastes and general public wastes in metal container, organised staff with protective gear, cloudy weather and sunny intervals, congested traffic
9th	18.1	11:05 AM	56	11:08 AM	57	Makadara	0:03:00	0:01:00			0.1	Trade house Africa	No spills	Industrial wastes ingreen paper bags, organised staff with protective gear, cloudy weather and sunny intervals, congested traffic
10th	19.4	11:16 AM	58	11:45 AM	59	Makadara	0:29:00	0:08:00			1.3	Jumbo property	Drippings swept clean	Industrial wastes and general public and office wastes in metal container, organised staff with protective gear, congested traffic
lunch break	19.4	11:46 AM	60	12:05 PM	61	Makadara	0:19:00	0:01:00			0	lunch break	Crews had their lunch	crews had their lunch
11th	20.3	12:09 PM	62	12:27 PM	63	Makadara	0:18:00	0:04:00			0.9	Bakers and Bite	No spills	Industrial wastes in nylon paper and metal container, organised staff with protective gear, cloudy weather and sunny intervals, congested traffic
12th	20.5	12:30 PM	64	12:35 PM	65	Makadara	0:05:00	0:03:00			0.2	Blue ring	No spills	Industrial wastes in metal container, organised staff with protective gear, congested traffic
13th	21.2	12:41 PM	66	12:45 PM	67	Makadara	0:04:00	0:06:00			0.7	Ish plastic	No collection	Not enough garbage to be collected

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
14th	23.5	12:51 PM	68	3:03 PM	69	Makadara	2:12:00	0:06:00			2.3	Metal crown	Drippings swept clean	Industrial wastes in metal containers, organised staff with protective gear, cloudy weather and sunny intervals, scarce traffic
Garage	29.8	4:22 PM	70	4:22 PM	71	Makadara		1:19:00	0:00:00		6.3	Falcon lane	Off loading	Offloading to other larger truck
							6:30:00	3:18:00	0:00:00	9:48:00	29.8			
							6:30:00	3:18:00	0:00:00	9:48:00	29.8			

Fri 11 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:38 AM	71	6:39 AM	72	Makadara						Falcon lane	Inspection of vehicle	Inspection of vehicle
1st	1.6	6:53 AM	73	7:22 AM	74	Makadara	0:29:00	0:14:00			1.6	Sumaria LTD	No spills	Industrial wastes in polythene bags and in metal containers, organised staff with protective gear, sunny weather with cloudy patches
2nd	4.8	7:37 AM	75	7:51 AM	76	Makadara	0:14:00	0:15:00			3.2	Complast	Spills swept	Industrial wastes and kitchen wastes in metal containers, organised staff with protective gear, sunny weather with cloudy patches
3rd	5.3	8:18 AM	77	8:42 AM	78	Makadara	0:24:00	0:27:00			0.5	Pembe maize meals	No spills	Industrial wastes and general wastes in metal containers, organised staff with protective gear, sunny weather with cloudy patches. congested traffic
4th	5.7	8:59 AM	79	9:04 AM	80	Makadara	0:05:00	0:17:00			0.4	Biodeal lab	No spills	Industrial wastes and medical wastes in metal containers, organised staff with protective gear, sunny weather with cloudy patches. congested traffic
5th	6.3	9:07 AM	81	9:19 AM	82	Makadara	0:12:00	0:03:00			0.6	Poly flex LTD	Spills swept	Industrial wastes and general public wastes in polythene bags, organised staff with protective gear, sunny weather with cloudy patches. scarce traffic
6th	6.7	9:22 AM	83	10:18 AM	84	Makadara	0:56:00	0:03:00			0.4	KPLC Nairobi South	No spills	Industrial, office wastes and general public wastes in metal containers, drums and cubicles, organised staff with protective gear, sunny and dry weather. scarce traffic
7th	7.6	10:36 AM	85	10:39 AM	86	Makadara	0:03:00	0:18:00			0.9	Dominion	No collection	Not enough garbage to be collected
8th	8.1	10:42 AM	87	10:44 AM	88	Makadara	0:02:00	0:03:00			0.5	Kenind Products	No collection	Not enough garbage to be collected
9th	8.2	10:47 AM	89	11:14 AM	90	Makadara	0:27:00	0:03:00			0.1	National Oil	Spills swept	Industrial, and general public wastes in metal containers,organised staff with protective gear, sunny and dry weather
10th	9.3	11:17 AM	91	11:32 AM	92	Makadara	0:15:00	0:03:00			1.1	Bakers n bite	No spills	Industrial, and food wastes in metal containers,organised staff with protective gear, sunny weather with cloudy intervals
Garage	14.2	12:25 PM	93	12:32 PM	94	Makadara	0:07:00	0:53:00			4.9	Falcon lane	Off loading	Offloading to other larger truck
							3:14:00	2:39:00	0	5:53:00	14.2			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	19.1	1:12 PM	95	1:41 PM	96	Makadara	0:29:00	0:40:00			4.9	Ish plasic	No spills	Industrial wastes inside nylon and paper bags, organised staff with protective gear, sunny and dry weather, congested traffic
2nd	20.4	1:48 PM	97	2:44 PM	98	Makadara	0:56:00	0:07:00			1.3	Nestle	No spills	Industrial wastes in metal containers and paper bags, organised staff with protective gear, sunny and dry weather. Photographing prohibited by management
3rd	21.8	2:57 PM	99	3:45 PM	100	Makadara	0:48:00	0:13:00			1.4	DHL	Spills swept	Industrial wastes in metal and timber containers, organised staff with protective gear, sunny weather.
4th	22.3	3:54 PM	101	4:07 PM	102	Makadara	0:13:00	0:09:00			0.5	Cardburys	No collection	Access was blocked
5th	23.6	4:11 PM	103	4:29 PM	104	Makadara	0:18:00	0:04:00			1.3	Wumati	Spills and drippings noted	Industrial wastes in metal containers, organised staff with protective gear, sunny weather. Congested traffic
Garage	27.2	5:51 PM	105	5:51 PM		Makadara	0:00:00	1:22:00	0:00:00		3.6	Falcon lane	Off loading	Offloading to other larger truck
							2:44:00	2:35:00	0:00:00	5:19:00	13			
							5:58:00	5:14:00	0:00:00	11:12:00	27.2			

Sat 12 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	7:13 AM	106	8:02 AM	107	Makadara			0:49:00			Falcon lane	Off loading previous day's collection	off loading previous day's collection
1st	23.6	9:16 AM	108	10:49 AM	109	Langata	1:33:00	1:14:00			23.6	Kenya School of Law	Spills swept	General public and food wastes collected using spades and a polythene bag, organised staff with protective gear, cloudy weather with sunny intervals.
2nd	36.5	11:16 AM	110	11:23 AM	111	Langata	0:07:00	0:27:00			12.9	Nyayo stadium	Truck experienced a mechanical problem	Mechanical problem sorted out by driver to enable the truck to get to the garage
Garage	44.3	11:58 AM	112	11:58 AM		Makadara	0:00:00	0:35:00			7.8	Falcon lane	Off loading	Offloading to other larger truck
							1:40:00	2:16:00	0:49:00	4:45:00	44.3			
							1:40:00	2:16:00	0:49:00	4:45:00	44.3			

# 6) KAM 906 Z (Private)

Mon 7 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:17 AM	1	6:53 AM	2	Embakasi						Pipeline Estate (Outering road)	No other truck in parking	No other truck in parking, Co-operative contact person
1st	0	7:03 AM	3	7:04 AM	4	Embakasi	0:01:00	0:10:00			0	Fedha estate church	No collection	No answer at the church gate
2nd	1	7:09 AM	5	7:53 AM	6	Embakasi	0:44:00	0:05:00			1	Fedha estate 1	No spills or drippings	Use of plastic bins, Pink plastic bags and polythene bags, Residential wastes, orderly staff, Rough road, scarce traffic,
3rd	4	8:04 AM	7	8:42 AM	8	Embakasi	0:38:00	0:11:00			3	Avenue park 2	No spills or drippings	Use of Pink plastic, Residential wastes, orderly staff, Rough road, scarce traffic.
4th	11	9:09 AM	9	9:25 AM	10	Embakasi	0:16:00	0:27:00			7	Riara springs Girls High School	Surveyor denied access by security personell	Data unavailable, security personell denied surveyor access into the premises
5th	14	9:39 AM	11	9:56 AM	12	Embakasi	0:17:00	0:14:00			3	City Cabanas	No spills or drippings	Use of plastic bins, industrial and paper wastes, orderly staff, Rough road, scarce traffic, sunny weather
6th	18	10:33 AM	13	11:07 AM	14	Embakasi	0:34:00	0:37:00			4	Vegpro-J KI Airport	No spills or drippings	Use of plastic bags and plastic crates, vegetable wastes and cartons, orderly staff, smooth road, fast traffic, sunny weather
7th	24	11:21 AM	15	11:51 AM	16	Embakasi	0:30:00	0:14:00			6	Steel makers, Mombasa road	No spills or drippings	Use of hands and a cut-open sack, dry vegetation, paper and used sack wastes, orderly staff, smooth road, fast traffic
8th	25	11:55 AM	17	12:01 PM	18	Embakasi	0:06:00	0:04:00			1	Mall, Mombasa road	Spills noted	Use of metal bins,sacks and polythene bags, industrial and polythene wastes,orderly staff, smooth road, fast traffic, sunny weather
Dumpsite	43	1:24 PM	19	3:05 PM	20	Embakasi		1:23:00	1:41:00		18	Dandora	Littered	Littered,foul smell, slightly congested traffic,
Garage	57	3:40 PM	21	3:45 PM	22	Embakasi	0:05:00	0:35:00			14	Pipeline Estate (Outering road)	One other truck in garage, Iron sheet housing	One truck in garage,Iron sheet housing, slightly congested traffic
							3:11:00	4:00:00	1:41:00	8:52:00	57			
							3:11:00	4:00:00	1:41:00	8:52:00	57			
Office	72	4:54 PM	23	4:54 PM		Westlands	0:00:00	1:09:00			15	parklands	Down loading data	congested traffic

Tue 8 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:27 AM	24	6:28 AM	25	Embakasi						Pipeline Estate (Outering road)	No other truck in parking	Iron sheet housing, cold weather, congested traffic, Smooth road
1st	4	6:39 AM	26	7:39 AM	27	Embakasi	1:00:00	0:11:00			4	Vegpro-JKI Airport	No spills or drippings	Use of plastic bags and plastic crates, vegetable wastes and cartons, orderly staff, smooth road, fast traffic,

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
2nd	11	8:08 AM	28	9:27 AM	29	Mlolongo	1:19:00	0:29:00			7	Sanpac industries	No spills or drippings	Use of hands and polythene bags, carton and polythene wastes and cartons, orderly staff, smooth road, fast traffic,
Dumpsite	37	11:17 AM	30	11:55 AM	31	Embakasi		1:50:00	0:38:00		26	Dandora	Littered	Littered, foul smell, slightly congested traffic.
Garage	47	12:53 PM	32	12:59 PM	33	Embakasi	0:06:00	0:58:00			10	Pipeline Estate (Outering road)	One other truck in garage, Iron sheet housing	No other truck in parking, Iron sheet housing
							2:25:00	3:28:00	0:38:00	6:31:00	47			
							2:25:00	3:28:00	0:38:00	6:31:00	47			
Office	72	1:59 PM	34	1:59 PM		Westlands	0:00:00	1:00:00			25	parklands	Down loading data	Fatst traffic

### Wed 9 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:14 AM	35	6:33 AM	36	Embakasi						Pipeline Estate (Outering road)	Seven other trucks in garage	Iron sheet housing, cold weather, congested traffic, Smooth road, Cold weather
1st	4	6:42 AM	37	8:32 AM	38	Embakasi	1:50:00	0:09:00			4	Sunripe & Vegpro-JKI Airport	No spills or drippings	Use of plastic bags and plastic crates, vegetable wastes and cartons, orderly staff, smooth road, fast traffic, cold weather
2nd	14	8:50 AM	39	9:24 AM	40	Embakasi	0:34:00	0:18:00			10	Pollmans & innscor head office, Mombasa road	No spills or drippings	Use of metal drums and sacks, food wastes, industrial wastes and paper wastes, orderly staff, smooth road, fast traffic, cold weather
3rd	15	9:28 AM	41	9:44 AM	42	Embakasi	0:16:00	0:04:00			1	Plaza 2000, Mombasa road	No spills or drippings	Use of hands and polythene bags paper wastes and a few empty cans, orderly staff, smooth road, fast traffic, sunny weather
4th	20	10:06 AM	43	11:53 AM	44	Makadara	1:47:00	0:22:00			5	Capital centre, Mombasa road	No spills or drippings	Use of cut-open sacks by swinging, general public wastes and a few empty cans, orderly staff, smooth road, fast traffic, sunny weather
Dumpsite	36	1:10 PM	45	3:35 PM	46	Embakasi		1:17:00	2:25:00		16	Dandora	Littered	Littered, foul smell, slightly congested traffic, Sunny weather
Garage	48	4:16 PM	47	4:21 PM	48	Embakasi	0:05:00	0:41:00			12	Pipeline Estate (Outering road)	One other truck in garage, Iron sheet housing	One truck in garage, Iron sheet housing, slightly congested traffic
							4:32:00	2:51:00	2:25:00	9:48:00	48			
							4:32:00	2:51:00	2:25:00	9:48:00	48			
Office	68	6:04 PM	49	6:04 PM		Westlands	0:00:00	1:43:00			20	Parklands	Heavy traffic, Sunset	Heavy traffic, Sunset

### Thu 10 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:17 AM	50	6:17 AM	51	Embakasi						Pipeline Estate (Outering road)	Iron sheet housing, no other truck in yard	Iron sheet housing, cold weather, congested traffic, Smooth road, Cold weather
Gas station	1	6:40 AM	52	6:41 AM	53	Embakasi	0:01:00	0:23:00			1	Donholm estate (Outerring road)	No vehicles in waiting	No vehicles in waiting, smooth road, slightly congested traffic



Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	6	6:55 AM	54	7:18 AM	55	Embakasi	0:23:00	0:14:00			5	Flower-wings, JKI Airport	No spills or drippings	Use of metal drums and plastic bins, flower wastes and paper wastes, orderly staff, smooth road, fast traffic, cold weather
2nd	6	7:23 AM	56	8:17 AM	57	Embakasi	0:54:00	0:05:00			0	Vegpro-JKI Airport	No spills or drippings	Use of plastic bags and plastic crates, vegetable wastes and cartons, orderly staff, smooth road, scarce traffic, cold weather
3rd	7	8:20 AM	58	8:27 AM	59	Embakasi	0:07:00	0:03:00			1	Signon freight, JKI Airport	No spills or drippings	Use of metal drums, food wastes and paper wastes, orderly staff, smooth road, scarce traffic, cold weather
4th	7	8:30 AM	60	8:52 AM	61	Embakasi	0:22:00	0:03:00			0	Schenker , JKI Airport	No spills or drippings	Use of cut open sacks, paper wastes, orderly staff, smooth road, scarce traffic, cold weather
5th	8	8:57 AM	62	9:28 AM	63	Embakasi	0:31:00	0:05:00			1	Flower processing (K) Ltd, JKI Airport	Drippings noted	Use of cut open sacks, flower wastes and paper wastes, orderly staff, smooth road, scarce traffic, cold weather
6th	13	9:41 AM	64	10:00 AM	65	Embakasi	0:19:00	0:13:00			5	Alpha centre, Mombasa road	No spills or drippings	Use of pink plastic bags, paper and plastic wastes, orderly staff, smooth road, fast traffic, cold weather
7th	18	10:47 AM	66	11:38 AM	67	Embakasi	0:51:00	0:47:00			5	Fedha estate, Outering road	No spills or drippings	Use of pink plastic bags, residential wastes, orderly staff, smooth then rough road, fast then scarce traffic, sunny weather
8th	22	12:02 PM	68	12:38 PM	69	Embakasi	0:36:00	0:24:00			4	Avenue park 2	No spills or drippings	Use of pink plastic bags, residential wastes, orderly staff, rough road, congested traffic, sunny weather
Dumpsite	31	1:06 PM	70	4:41 PM	71	Embakasi		0:28:00	3:35:00		9	Dandora	Littered	Littered, foul smell, slightly congested traffic, Sunny weather
Garage	42	5:05 PM	72	5:15 PM	73	Embakasi		0:24:00			11	Pipeline Estate (Outering road)	Two trucks and a pick up in garage, Iron sheet housing	Iron sheet housing, two other trucks and pick up in the garage
							4:04:00	3:09:00	3:35:00	10:48:00	42			
							4:04:00	3:09:00	3:35:00	10:48:00	42			
Office	63	6:47 PM	74	6:47 PM		Westlands	0:00:00	1:32:00			21	Parklands	Congested traffic	congested traffic

### Fri 11 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:15 AM	75	6:19 AM	76	Embakasi						Pipeline Estate (Outering road)	No other truck in parking	No other truck in garage, cold weather, Iron sheet housing
1st	0	6:25 AM	77	7:10 AM	78	Embakasi	0:45:00	0:06:00			0	Avenue park 1	No spills or drippings	Use of black plastic bags, cartons and polythene bags, Residential wastes, orderly staff, Rough road, congested traffic, sunny weather
2nd	8	7:41 AM	79	8:09 AM	80	Embakasi	0:28:00	0:31:00			8	Plaza 2000, Mombasa road	Mo spills or drippings	Use of hands and metal drums, wooden and paper wastes, orderly staff, smooth road, fast traffic, sunny weather

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
3rd	8	8:14 AM	81	9:20 AM	82	Embakasi	1:06:00	0:05:00			0	Rosewood furnitures, Mombasa road	No spills or drippings	Use of hands cut-open sacks and metal drums, wooden and paper wastes, orderly staff, smooth road, fast traffic, sunny weather
4th	11	9:42 AM	83	9:49 AM	84	Langata	0:07:00	0:22:00			3	St Louis apartments South C	No spills or drippings	Use of pink plastic bags by longthrowing. Residential wastes, orderly staff, Rough road, scarce traffic, sunny weather
5th	12	9:53 AM	85	10:24 AM	86	Langata	0:31:00	0:04:00			1	College of Insurance South C	No spills or drippings	Use of cut-open sacks, food, plastics and paper wastes, orderly staff, smooth road, fast traffic, sunny weather
6th	14	10:28 AM	87	10:51 AM	88	Langata	0:23:00	0:04:00			2	Innscor Bellevue, Mombasa road	No spills or drippings	Use of cut-open sacks, food, plastics and paper wastes, Staff cleaned the garbage container after collection. orderly staff, smooth road, fast traffic, sunny weather
7th	15	10:55 AM	89	11:00 AM	90	Langata	0:05:00	0:04:00			1	Lalac, South C	No spills or drippings	Use of pink plastic bags by longthrowing. Residential wastes, orderly staff, Rough road, scarce traffic, sunny weather
8th	18	11:25 AM	91	11:58 AM	92	Makadara	0:33:00	0:25:00			3	Innscor Lusaka road	No spills or drippings	Use of cut-open sack and polythene bags, food, plastics and paper wastes, Staff cleaned the garbage container after collection. orderly staff, smooth road, fast traffic, sunny weather
9th	20	12:07 PM	93	12:45 PM	94	Makadara	0:38:00	0:09:00			2	East Africa cables, Enterprise road	No spills or drippings	Use of cut-open sheet of polythene and polythene bags, wood and paper wastes, Staff cleaned the garbage container after collection. orderly staff, smooth road, fast traffic, sunny weather
Dumpsite	32	1:28 PM	95	3:17 PM	96	Embakasi		0:43:00	1:49:00		12	Dandora	Littered	Littered, foul smell, slightly congested traffic, Sunny weather
Garage	58	3:46 PM	97	3:53 PM	98	Embakasi		0:29:00			26	Pipeline Estate (Outering road)	Iron sheet housing, two other trucks in yard	Iron sheet housing, two other trucks and pick up in the garage
							4:36:00	3:02:00	1:49:00	9:27:00	58			
							4:36:00	3:02:00	1:49:00	9:27:00	58			
Office	77	5:00 PM	99	5:00 PM		Westlands	0:00:00	1:07:00			19	parklands	Congested traffic	Congested traffic

Sat 12 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	7:06 AM	100	9:09 AM	101	Embakasi	2:03:00					Pipeline Estate (Outering road)	No collection	The driver came late and was feeling unwell. The truck rested for the day

Sun 13 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:20 AM	102	6:49 AM	103	Embakasi					0	Pipeline Estate (Outering road)	8 trucks in the yard	Iron sheet housing, 8 trucks in the yard, Raining, Scarce traffic, smooth road
1st	4	7:03 AM	104	8:07 AM	105	Embakasi	1:04:00	0:14:00			4	Vegpro-JKI Airport	No spills or drippings	Use of plastic bags and plastic crates, vegetable wastes and cartons, orderly staff, smooth road, fast traffic, rainy weather
2nd	11	8:26 AM	106	8:43 AM	107	Embakasi	0:17:00	0:19:00			7	Riara springs Girls High School	No spills or drippings	Use of metal drums, general public wastes and foods, orderly staff, smooth then rough road fast traffic, rainy weather
3rd	23	9:19 AM	108	10:57 AM	109	Makadara	1:38:00	0:36:00			12	Cake house, Butere road	No spills or drippings	Use of plastic drum and cut-open sack, mainly egg shells and food wastes, orderly staff, smooth road, fast then scarce traffic, rainy weather
Dumpsite	37	11:45 AM	110	1:07 PM	111	Embakasi		0:48:00	1:22:00		14	Dandora	Littered	Muddy, smell not as foul as previous days, sunny weather
Garage	53	1:32 PM	112	1:39 PM	113	Embakasi		0:25:00			16	Pipeline Estate (Outering road)	Iron sheet housing, 5 other trucks in the yard	Iron sheet housing, 5 trucks I garage, smooth road, congested traffic
							2:59:00	2:22:00	1:22:00	6:43:00	53			
							2:59:00	2:22:00	1:22:00	6:43:00	53			
Office	66	2:13 PM	114	2:13 PM		Westlands	0:00:00	0:34:00			13	parklands	fast traffic	fast traffic

## 7) KAM 906 Z (Contractor)

Mon 7 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:35 AM	1	7:21 AM	2	Kasarani						Kariobangi North	Lorry had broken down	Lorry was repaired at this garage
Supervisor Collection	0.8	7:29 AM	3	7:42 AM	4	Kasarani	0:13:00	0:08:00			0.8	Kariobangi North	Picking city council supervisor	Picking city council supervisor
1st	9.8	8:06 AM	5	8:45 AM	6	Kasarani	0:39:00	0:24:00			9	Githurai 44	No spills or drippings	Garbage put in black polythene papers outside homesteads, Calm crew, No traffic, All weather road, No protective gear
2nd	11.4	8:52 AM	7	11:43 AM	8	Kasarani	2:51:00	0:07:00			1.6	Githurai 44, Tanners	No spills or drippings	Garbage put in black polythene papers outside homesteads and others in a central point, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
3rd	12	11:46 AM	9	11:51 AM	10	Kasarani	0:05:00	0:03:00			0.6	Githurai 44	No spills or drippings	Garbage put in black polythene papers outside homesteads and others in a central point, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
4th	12.1	12:07 PM	11	12:43 PM	12	Kasarani	0:36:00	0:16:00			0.1	Githurai 44	No spills or drippings	Garbage put in black polythene papers outside homesteads and others in a central point, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
5th	12.3	12:46 PM	13	1:01 PM	14	Kasarani	0:15:00	0:03:00			0.2	Githurai 44	No spills or drippings	Garbage put in black polythene papers outside homesteads and others in a central point, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
6th	12.7	1:03 PM	15	1:53 PM	16	Kasarani	0:50:00	0:02:00			0.4	Githurai 44	No spills or drippings	Garbage put in black polythene papers outside homesteads and others in a central point, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
7th	13.8	1:59 PM	17	2:12 PM	18	Kasarani	0:13:00	0:06:00			1.1	Githurai 44, next to Small Villa	No spills or drippings	Garbage next to Kamiti road put in black polythene papers, others brought by handcarts, Calm crew, No traffic, All weather road, No protective gear, Sunny weather
Dumpsite	25.5	3:06 PM	19	3:54 PM	20	Embakasi		0:54:00	0:48:00		11.7	Dandora	Littered	Littered
Garage	30.2	4:37 PM	21	6:42 PM	22	Makadara		0:43:00			4.7	Buruburu Police Canteen	Fuelling	Fuelling
							5:42:00	2:46:00	0:48:00	9:16:00	30.2			
							5:42:00	2:46:00	0:48:00	9:16:00	30.2			
Office	42.5	7:27 PM	23	7:27 PM	24	Westlands	0:00:00	0:45:00			12.3	Parklands	Heavy traffic	Heavy traffic

**KWD 632**

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:45 AM	24	5:49 AM	25	Makadara						Buruburu Police Canteen	Parking	Parking
1st	18	6:48 AM	26	7:00 AM	27	Westlands	0:12:00	0:59:00			18	Samneel Bidn Westlands	Garbage is put in a central point	Garbage put in an ironsheet structure, Garbage mainly bad flowers
2nd	24.3	7:14 AM	28	7:35 AM	29	Westlands	0:21:00	0:14:00			6.3	Kangemi point 1	Garbage is put in a concrete cubicle by the roadside	Calm staff, cloudy and drizzling. All weather road, No traffic
3rd	24.4	7:45 AM	30	7:56 AM	31	Westlands	0:11:00	0:10:00			0.1	Kangemi point 2	Garbage is put in a concrete cubicle by the roadside	Garbage is put in a concrete cubicle by the roadside, calm staff, cloudy and drizzling. All weather road, No traffic
4th	25.2	8:01 AM	32	8:08 AM	33	Westlands	0:07:00	0:05:00			0.8	Kangemi point 3	Garbage is put in a central point	Friut wastes and general public wastes, calm staff, cloudy and drizzling. Tarmac road, No traffic. Crew without protective gear
5th	25.4	8:23 AM	34	9:11 AM	35	Westlands	0:48:00	0:15:00			0.2	Kangemi point 4	Garbage is put in a central point	General public wastes, calm staff, cloudy and drizzling. Tarmac road, No traffic. Crew without protective gear. Cloudy and drizzling
6th	30.3	10:30 AM	36	11:06 AM	37	Westlands	0:36:00	1:19:00			4.9	Kangemi point (next to Baraka petrol station)	Garbage is put in a central point	General public wastes, calm staff, cloudy and drizzling. Tarmac road, No traffic. Crew without protective gear. Sunny
7th	30.6	11:30 AM	38	12:02 PM	39	Westlands	0:32:00	0:24:00			0.3	Kangemi point 5	Garbage is put in a central point	General public wastes, calm staff, cloudy and drizzling. Tarmac road, No traffic. Crew without protective gear. Sunny
8th	31.2	12:07 PM	40	12:16 PM	41	Westlands	0:09:00	0:05:00			0.6	Kabete technical	Garbage is put in a central point	General public wastes with spills, calm staff, sunnyTarmac road, No traffic. Crew without protective gear.
9th	33.3	12:35 PM	42	1:18 PM	43	Westlands	0:43:00	0:19:00			2.1	Kangemi slum	Garbage is put in a central point	General public waste, calm staff, sunnyTarmac road, No traffic, sunny,
10th	34.2	1:32 PM	44	1:44 PM	45	Westlands	0:12:00	0:14:00			0.9	Kangemi point 7	Garbage is put in a central point	General public waste, calm staff, sunnyTarmac road, No traffic, sunny,
11th	35	2:06 PM	46	2:29 PM	47	Westlands	0:23:00	0:22:00			0.8	Kangemi shopping centre	Garbage is put in a central point	General public waste, calm staff, sunnyTarmac road, No traffic, sunny,
Dumpsite	53.6	3:37 PM	48	6:07 PM	49	Embakasi		1:08:00	2:30:00		18.6	Dandora	Littered	Littered
Garage	62.6	6:44 PM	50	6:45 PM	51	Makadara		0:37:00			9	Buruburu Police Canteen	Parking	Parking
							4:14:00	6:11:00	2:30:00	12:55:00	62.6			
							4:14:00	6:11:00	2:30:00	12:55:00	62.6			
Office	74.5	8:10 PM	52	8:10 PM		Westlands	0:00:00	1:25:00			11.9	Parklands	Heavy traffic	Heavy traffic

**Fri 11 Dec 09**

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:44 AM	53	5:48 AM	54	Makadara						Buruburu Police Canteen	Checking of tyres of the truck	Checking of tyres of the truck

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	9	6:30 AM	55	8:39 AM	56	Kasarani	2:09:00	0:42:00			9	Ngumba estate pt 1	Garbage put in polythene bags outside flats	General public wastes. Calm staff without protective gear, all weather road, No traffic, Cloudy
2nd	9.2	8:41 AM	57	9:02 AM	58	Kasarani	0:21:00	0:02:00			0.2	Ngumba estate pt 2	Garbage put in polythene bags outside flats	General public wastes. Calm staff without protective gear, all weather road, No traffic, Cloudy
3rd	9.4	9:04 AM	59	9:27 AM	60	Kasarani	0:23:00	0:02:00			0.2	Ngumba estate pt 3	Garbage put in polythene bags outside flats	Garbage brought by handcart to truck's location, General public wastes. Calm staff without protective gear, all weather road, No traffic, Cloudy
4th	9.6	10:21 AM	61	10:54 AM	62	Kasarani	0:33:00	0:54:00			0.2	Ngumba estate pt 4	Garbage put in polythene bags outside flats	Garbage brought by handcart to truck's location, General public wastes. Calm staff without protective gear, all weather road, No traffic, Cloudy
5th	16	11:21 AM	63	11:58 AM	64	Kasarani	0:37:00	0:27:00			6.4	Kariobangi North, Kamunde road	Garbage put on the road	General public wastes. Calm staff without protective gear, all weather road, No traffic, Sunny
Dumpsite	19.3	1:28 PM	65	3:02 PM	66	Embakasi	0:00:00	1:30:00	1:34:00		3.3	Dandora	Littered	Littered
Garage	24.1	3:39 PM	67	3:44 PM	68	Makadara	0:05:00	0:37:00			4.8	Buruburu Police Canteen	Parking	Parking
							4:08:00	4:14:00	1:34:00	9:56:00	24.1			
							4:08:00	4:14:00	1:34:00	9:56:00	24.1			
Office	36.6	4:44 PM	69	4:44 PM		Westlands	0:00:00	1:00:00			12.5	Parklands	Heavy traffic	Heavy traffic

Sat 12 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	26	7:22 AM	70	7:25 AM	71	Makadara						Buruburu Police Canteen	Parking	Parking
1st	44	8:16 AM	72	8:18 AM	73	Westlands	0:02:00	0:51:00			18	Muthithi road	No permission to collect garbage	No permission to collect garbage
2nd	45	8:35 AM	74	8:45 AM	75	Westlands	0:10:00	0:17:00			1	Ringroad	Garbage put in a central point at the roadside	General public wastes. Calm staff without protective gear, tarmack road, Minimal traffic, Cloudy and drizzling
3rd	46	8:48 AM	76	8:49 AM	77	Westlands	0:01:00	0:03:00			1	Woodvale groove	Garbage put in a bin, spills noted	General public wastes. Calm staff without protective gear, tarmack road, Minimal traffic,
4th	52	9:09 AM	78	9:36 AM	79	Westlands	0:27:00	0:20:00			6	Kangemi pt 1	Garbage put in a central point and concrete cubicle	General public wastes. Calm staff without protective gear, use of an open sack and fork jembe, tarmack road, Minimal traffic, Sunny
5th	53.3	9:50 AM	80	10:39 AM	81	Westlands	0:49:00	0:14:00			1.3	Kangemi pt 2	Garbage put in sacks and put in a central point	General put in sacks and polythene bags. Calm staff without protective gear, tarmack road with several potholes, No traffic,
6th	54.4	10:47 AM	82	11:55 AM	83	Westlands	1:08:00	0:08:00			1.1	Kangemi pt 3	Garbage put in a central point at the roadside	Calm and co-operative staff without protective gear, tarmack road, Minimal traffic, Sunny

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
7th	56.1	12:12 PM	84	12:21 PM	85	Westlands	0:09:00	0:17:00			1.7	Kangemi pt 4	Garbage put in a central point at the roadside	Calm and co-operative staff without protective gear, tarmac road, Minimal traffic, Sunny
8th	56.7	12:26 PM	86	1:35 PM	87	Westlands	1:09:00	0:05:00			0.6	Kabete technical	Garbage put at the roadside	General public wastes.Calm staff without protective gear, all weather road,No traffic,Sunny
9th	72.1	1:37 PM	88	1:52 PM	89	Westlands	0:15:00	0:02:00			15.4	Kangemi pt 5	Garbage put in a central point at the roadside	General public wastes.Calm staff without protective gear, all weather road,No traffic,Sunny
10th	72.9	2:00 PM	90	2:16 PM	91	Westlands	0:16:00	0:08:00			0.8	Kangemi pt 6	Garbage put in a central point inside a residential house	General public wastes.Calm staff without protective gear,all weather road,No traffic,
Dumpsite	91	3:40 PM	91	6:07 PM	92	Embakasi		1:24:00	2:27:00		18.1	Dandora	Littered	Littered
Garage	101.9	6:49 PM	94	6:58 PM	94	Makadara		0:42:00			10.9	Buruburu Police Canteen	Parking	Parking and cheking tyres
							4:26:00	4:31:00	2:27:00	11:24:00	75.9			
Office	114.5	7:51 PM	95	7:51 PM		Westlands	0:00:00	0:53:00			12.6	Parklands	Heavy traffic	Heavy traffic

### Wed 16 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	0	6:52 AM	96	7:03 AM	97	Kasarani						Kariobangi North garage	Truck was being repaired	This was the starting point since the truck had experienced a mechanical problem on the prior night
2nd	12.4	8:50 AM	98	8:54 AM	99	Westlands	0:04:00	1:47:00			12.4	Westlands	Garbage put in a central point next to shell pet station	Use of an open sack to collect garbage, calm staff, cloudy, Tarmac road,
3rd	21.1	9:21 AM	100	9:53 AM	101	Westlands	0:32:00	0:27:00			8.7	Kabete technical	Garbage put in a central point outside Kabete technical	General public waste, Use of an open sack and fork jembe to collect garbage, calm staff, cloudy, Tarmac road, No traffic
4th	24.1	9:53 AM	102	10:04 AM	103	Westlands	0:11:00	0:00:00			3	Kangemi pt 1 Dam	Garbage put in a central point at the roadside	General public waste, Use of an open sack and fork jembe to collect garbage, calm staff, Tarmac road, No traffic, Sunny
5th	25	10:05 AM	104	10:13 AM	105	Westlands	0:08:00	0:01:00			0.9	Kangemi pt 2	Garbage put in a central point at the roadside	General public waste, Use of an open sack and fork jembe to collect garbage, calm staff, Tarmac road, No traffic, Sunny
6th	26.8	10:32 AM	106	10:55 AM	107	Westlands	0:23:00	0:19:00			1.8	Kangemi pt 3	Garbage put in a central point at the roadside	General public waste, Use of an open sack and fork jembe to collect garbage, calm staff, Tarmac road, No traffic, Sunny
7th	27.5	11:05 AM	108	11:14 AM	109	Westlands	0:09:00	0:10:00			0.7	Kangemi pt 4	Garbage put in a concrete cubicle	General public waste,Use of an open sack, calm staff, Tarmac road, No traffic, Sunny

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
8th	27.9	11:22 AM	110	11:47 AM	111	Westlands	0:25:00	0:08:00			0.4	Kangemi pt 5	Garbage put in a central point at the roadside	General public waste, Use of sacks and polythene bags, calm staff, Tarmac road, No traffic, Sunny
9th	28.4	11:51 AM	112	12:04 PM	113	Westlands	0:13:00	0:04:00			0.5	Kangemi pt 6	Garbage put in drums outside a residential flat	General public waste, Use of drums, calm staff without protective gear, Tarmac road, No traffic, Sunny
10th	29.6	12:08 PM	114	12:19 PM	115	Westlands	0:11:00	0:04:00			1.2	Kangemi pt 7	Garbage put in a central point outside a residential house	General public waste, calm staff without protective gear, Tarmac road, No traffic, Sunny
11th	32.2	1:17 PM	116	1:51 PM	117	Westlands	0:34:00	0:58:00			2.6	Thiongo road pt 1	Garbage put inside compound in a central point in a residential	General public waste, calm staff without protective gear, Tarmac road, No traffic, Sunny
12th	32.8	1:54 PM	118	2:24 PM	119	Westlands	0:30:00	0:03:00			0.6	Thiongo road pt 2	Garbage put in sacks and placed outside a residential house	General public waste, calm staff without protective gear, Tarmac road, No traffic, Sunny
Dumpsite	57.4	3:52 PM	120	6:10 PM	121	Embakasi	0:00:00	1:28:00	2:18:00		24.6	Dandora	Littered	Littered
Garage	62.4	6:58 PM	122	7:02 PM	123	Makadara	0:04:00	0:48:00			5	Buruburu Police Canteen	Parking	Parking the truck
							3:24:00	6:17:00	2:18:00	11:59:00	62.4			
							3:24:00	6:17:00	2:18:00	11:59:00	62.4			
Office	73.2	7:44 PM	124	7:44 PM		Westlands	0:00:00	0:42:00			10.8	Parklands	Heavy traffic	Heavy traffic

### Thu 17 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	6:08 AM	125	6:10 AM	126	Makadara						Buruburu Police Canteen	Parking	Parking
1st	18.8	7:29 AM	127	7:45 AM	128	Westlands	0:16:00	1:19:00			18.8	Kangemi stage	Garbage put in a concrete cubicle next to the road	General public waste, Use of an open sack and a fork jembe to collect garbage, calm staff without protective gear, Tarmac road, No traffic,
2nd	20.7	8:37 AM	129	8:59 AM	130	Westlands	0:22:00	0:52:00			1.9	Kangemi pt 2	Garbage put in a central point at the roadside	General public waste, calm staff, All weather road, No traffic, Sunny
3rd	20.9	9:01 AM	131	9:10 AM	132	Westlands	0:09:00	0:02:00			0.2	Kangemi pt 3	Garbage put in a central point outside a residential house	General public waste, Use of an open sack and a fork jembe to collect garbage, calm staff, All weather road, No traffic, Sunny
4th	21	9:15 AM	133	9:43 AM	134	Westlands	0:28:00	0:05:00			0.1	Kangemi pt 4	Garbage put in a central point at the roadside	General public waste, calm staff, Tarmac road, No traffic, Sunny
5th	22.3	10:37 AM	135	11:09 AM	136	Westlands	0:32:00	0:54:00			1.3	Kangemi pt 5	Garbage put in a central point at the roadside	General public waste, Tarmac road, No traffic,



Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
6th	22.7	11:23 AM	137	11:29 AM	138	Westlands	0:06:00	0:14:00			0.4	Kangemi pt 6	Garbage put in a central point outside a residential house	General public waste, calm staff, All weather road, No traffic, Sunny
7th	22.8	11:30 AM	139	11:49 AM	140	Westlands	0:19:00	0:01:00			0.1	Kangemi pt 7	Garbage put in a central point at the roadside	Calm staff, All weather road, No traffic, Sunny
8th	23.2	11:53 AM	141	11:57 AM	142	Westlands	0:04:00	0:04:00			0.4	Kabete technical	Garbage put in a central point at the roadside	General public waste, Use of an open sack and a fork jembe t collect garbsge, Tarmac road, No traffic, Sunny
9th	24.2	12:07 PM	143	12:18 PM	144	Westlands	0:11:00	0:10:00			1	Kangemi pt 8	Garbage put in a central point at the roadside	General public waste, Use of an open sack and a fork jembe t collect garbsge, Tarmac road, No traffic, Sunny
10th	25.1	12:49 PM	145	12:55 PM	146	Westlands	0:06:00	0:31:00			0.9	Kangemi pt 9	Garbage put in a central point inside a residential house	General public waste, Use of an open sack and a fork jembe t collect garbsge, All weather road, No traffic, Sunny
11th	26.4	1:33 PM	147	1:38 PM	148	Westlands	0:05:00	0:38:00			1.3	Kangemi pt 10	Garbage put in a central point inside a residential house	General public waste, Use of an open sack and a fork jembe t collect garbsge, All weather road, No traffic, Sunny
12th	26.7	1:46 PM	149	1:52 PM	150	Westlands	0:06:00	0:08:00			0.3	Kangemi pt 11	Garbage put in a central point outside a residential house	General public waste, Use of an open sack and a fork jembe t collect garbsge, All weather road, No traffic, Sunny
Dumpsite	45.6	3:12 PM	151	5:18 PM	152	Embakasi	0:00:00	1:20:00	2:06:00		18.9	Dandora	Littered	Littered, Truck broke down here and was left by the surveyor since it was late
							2:44:00	6:18:00	2:06:00	11:08:00	45.6			
							2:44:00	6:18:00	4:12:00	11:08:00	45.6			
Office	58	5:58 PM	153	5:58 PM	154	Westlands	0:00:00	0:40:00			12.4	Parklands	Heavy traffic	Heavy traffic

# 8) KAC 088J (Contractor)

Tue 8 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:59 AM	1	6:08 AM	2	Starehe						Pangani shopping centre	Contractors garage	Parking, clear sky and dry
1st	5.2	6:23 AM	3	6:28 AM	4	Westlands	0:05:00	0:15:00			5.2	Peppers restaurant, Parklands road	Garbage in large blue bins	Garbage in large blue bins, warm and dry
2nd	5.3	6:29 AM	5	6:33 AM	6	Westlands	0:04:00	0:01:00			0.1	Technology today, Muthithi road	Garbage on roadside and spilled	Garbage in roadside bins, warm and dry
3rd	5.4	6:35 AM	7	6:36 AM	8	Westlands	0:01:00	0:02:00			0.1	Euro dollar, Mpaka road	Garbage in bins	Garbage in roadside bins
4th	5.5	6:37 AM	9	6:38 AM	10	Westlands	0:01:00	0:01:00			0.1	Next botique Mpaka road	Garbage in bins	Garbage in bins
5th	5.7	6:39 AM	11	6:42 AM	12	Westlands	0:03:00	0:01:00			0.2	Stone bic College, Chiromo road	Garbage in metal bins at the roadside	Garbage in small metal bins at the roadside
6th	5.7	6:43 AM	13	6:45 AM	14	Westlands	0:02:00	0:01:00			0	City walls, Chiromo road	Garbage in metal bins by the pavement	Garbage in small metal bins at the roadside
7th	6	6:48 AM	15	6:54 AM	16	Westlands	0:06:00	0:03:00			0.3	Ring road westlands	Garbage near bin, mostly market	Garbage in small metal bins at the roadside
8th	6.2	6:55 AM	17	6:57 AM	18	Westlands	0:02:00	0:01:00			0.2	Barclays bank, Westlands	Garbage in bins	Garbage in bins
9th	12	7:06 AM	19	7:23 AM	20	Westlands	0:17:00	0:09:00			5.8	Unique metal fabricators, Waiyaki way	Garbage in enclosed structure made of concrete	Garbage in an enclosed structure made of concrete blocks
10th	12.1	7:25 AM	21	7:34 AM	22	Westlands	0:09:00	0:02:00			0.1	Highway metal, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground next to roadside
11th	12.6	7:39 AM	23	7:47 AM	24	Westlands	0:08:00	0:05:00			0.5	Kihumbuni bar, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground
12th	12.7	7:48 AM	25	7:56 AM	26	Westlands	0:08:00	0:01:00			0.1	Update investment, Waiyaki way	Garbage in metal container	Garbage in metal container
13th	12.9	7:58 AM	27	8:26 AM	28	Westlands	0:28:00	0:02:00			0.2	Waiyaki way supermarke, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground
14th	13	8:28 AM	29	8:48 AM	30	Westlands	0:20:00	0:02:00			0.1	Yu shop,corner butchery Waiyaki way	Garbage in heap on ground	Garbage in heap on ground, scooping to load the lorry
15th	13.2	8:50 AM	31	8:53 AM	32	Westlands	0:03:00	0:02:00			0.2	Highway shop, Kangemi	Garbage in heap on ground	Garbage in heap on ground
16th	13.3	9:01 AM	33	9:07 AM	34	Westlands	0:06:00	0:08:00			0.1	Patma commu-nication, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground
17th	14.5	9:14 AM	35	9:20 AM	36	Westlands	0:06:00	0:07:00			1.2	Baraka filling station	Garbage in heap on ground	Garbage in heap on ground
18th	14.7	9:22 AM	37	9:28 AM	38	Westlands	0:06:00	0:02:00			0.2	Dam view place, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground, food and general public wastes
19th	14.8	9:29 AM	39	10:25 AM	40	Westlands	0:56:00	0:01:00			0.1	Vibros stores, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground, food and general public wastes
20th	15.1	10:28 AM	41	10:52 AM	42	Westlands	0:24:00	0:03:00			0.3	Tech Bureau, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground, collected using sacks to load
21st	19.1	11:01 AM	43	11:19 AM	44	Westlands	0:18:00	0:09:00			4	BMS motors, Waiyaki way	Garbage in heap on ground	Garbage in heap on ground, collected using sacks to load

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
22nd	19.3	11:23 AM	45	11:48 AM	46	Westlands	0:25:00	0:04:00			0.2	Hestan estate and property, Waiyaki way	Garbage in heap on ground	Garbage in heap of sacks at the roadside
Dumpsite	37.5	12:32 PM	47	12:43 PM	48	Embakasi		0:44:00	0:11:00		18.2	Dandora	No weights taken	No readings were recorded as there was an anomaly in the machine, estimates to be taken on the next trip
							4:18:00	2:06:00	0:11:00	6:35:00	37.5			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	44.8	1:17 PM	49	2:54 PM	50	Starehe	1:37:00	0:34:00			7.3	Mareba academy, Eastleigh	Garbage in a swampy place	Loading done by tractor on a stationary and swampy place
Dumpsite	59.4	3:59 PM	51	4:02 PM	52	Embakasi		1:05:00	0:03:00		14.6	Dandora	Littered	Littered
Garage	59.4	4:55 PM	53	4:59 PM	54	Starehe		0:53:00			0	Pangani shopping centre	Parking at contractors parking	Parking at contractors parking
							1:37:00	2:32:00	0:03:00	4:12:00	21.9			
							5:55:00	4:38:00	0:14:00	10:47:00	59.4			

### Wed 9 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	12:00 PM	55	12:16 PM	56	Starehe						Pangani shopping centre	Contractors parking	Contractors parking
1st	1.6	12:21 PM	57	12:34 PM	58	Starehe	0:13:00	0:05:00			1.6	Melon Insurance agency, Juja road	Garbage in heap, loading done by tractor	Garbage in heap, loading done by tractor belonging to CCN
Dumpsite	7.3	1:05 PM	59	1:13 PM	60	Embakasi		0:31:00	0:08:00		5.7	Dandora	Littered	Unloading done mechanically
							0:13:00	0:36:00	0:08:00	0:57:00	7.3			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	13.2	1:44 PM	61	2:10 PM	62	Starehe	0:26:00	0:31:00			5.9	Safeway medical clinic, Eastleigh 3rd ave	Garbage in heap by the roadside	Garbage in heap, loading done by tractor belonging to CCN
Dumpsite	19.2	2:40 PM	63	2:48 PM	64	Embakasi	0:00:00	0:30:00	0:08:00		6	Dandora	Garbage in heaps	Unloading done mechanically
							0:26:00	1:01:00	0:08:00	1:35:00	11.9			
Location - Trip 3	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	25.1	3:12 PM	65	3:27 PM	66	Starehe	0:15:00	0:24:00			5.9	Msing chemist, Eastleigh 3rd ave	Garbage strewn on the ground	Garbage in heap on ground
Dumpsite	31.1	4:02 PM	67	4:17 PM	68	Embakasi		0:35:00	0:15:00		6	Dandora	Garbage in heaps	Garbage in heaps
Garage	36.4	4:49 PM	69	4:51 PM	70	Starehe		0:32:00			5.3	Pangani shopping centre	Parking at contractors parking	Contractors parking
							0:15:00	1:31:00	0:15:00	2:01:00	17.2			
							0:54:00	3:08:00	0:31:00	4:33:00	29.1			

### Thu 10 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:45 AM	71	6:13 AM	72	Starehe						Pangani shopping centre	Contractors parking	No garbage
1st	4.8	6:28 AM	73	6:36 AM	74	Westlands	0:08:00	0:15:00			4.8	Peppers restaurant, Parklands road	Garbage in large drums on concrete pavement	Garbage in large drums On concrete pavement

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
2nd	5	6:38 AM	75	6:41 AM	76	Westlands	0:03:00	0:02:00			0.2	Technology today, Muthithi road	Garbage in bins at the roadside	Garbage in bins at the roadside
3rd	5.2	6:42 AM	77	6:44 AM	78	Westlands	0:02:00	0:01:00			0.2	Colour gallery Mpaka road	Garbage in bins at the roadside	Garbage in bins at the roadside
4th	5.3	6:45 AM	79	6:46 AM	80	Westlands	0:01:00	0:01:00			0.1	Next botique, Mpaka road	Garbage in tin bins at the roadside	Garbage in tin bins at the roadside
5th	5.5	6:48 AM	81	6:52 AM	82	Westlands	0:04:00	0:02:00			0.2	Stone bic College, Chiromo road	Garbage in tin bins at the roadside	Garbage in tin bins at pavement
6th	5.6	6:53 AM	83	6:54 AM	84	Westlands	0:01:00	0:01:00			0.1	Lyntons Chemists, Chiromo road	Garbage in tin bins at the roadside	Garbage in tin bins at pavement
7th	5.6	6:57 AM	85	7:17 AM	86	Westlands	0:20:00	0:03:00			0	Ring road westlands	Garbage overflowing the tin bin by roadside	Garbage overflowing the tin bin and onto bare ground. Mostly market wastes
8th	5.9	7:18 AM	87	7:22 AM	88	Westlands	0:04:00	0:01:00			0.3	Barclays bank, Westlands	Garbage in bins at the roadside	Garbage in tin bins on the pavement, Driizzling weather
9th	10.3	8:29 AM	89	1:51 PM	90	Westlands	5:22:00	1:07:00			4.4	Kangemi market, Kangemi	Garbage in huge heap inside the market	Garbage in huge heap inside the market, mostly perishable wastes.
Dumpsite	32.1	3:24 PM	91	3:54 PM	92	Embakasi		1:33:00	0:30:00		21.8	Dandora	Delay due to lack of fuel	Delay in unloading due to shortage of fuel in the lorry
Garage	37.1	4:30 PM	93	4:35 PM	94	Starehe		0:36:00			5	Pangani shopping centre	Contractors parking	Contractors parking
							6:05:00	3:42:00	0:30:00	10:17:00	37.1			
							6:05:00	3:42:00	0:30:00	10:17:00	37.1			

## Sat 12 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:50 AM	101	8:30 AM	102	Starehe						Pangani shopping centre	Parking at contractors parking	wet weather
1st	3.7	8:50 AM	103	8:59 AM	104	CBD	0:09:00	0:20:00			3.7	Delta line café, Cross road	Rotting garbage on a heap on the ground	General public waste, Garbage in heap, loading done by tractor belonging to CCN
2nd	5.6	9:26 AM	105	9:34 AM	106	CBD	0:08:00	0:27:00			1.9	Jeevanje Gardens Muinindi Bingu Street	Garbage in a heap on the ground	General public waste, Garbage in heap, loading done by tractor belonging to CCN,
Dumpsite	16.8	10:57 AM	107	11:00 AM	108	Embakasi		1:23:00	0:03:00		11.2	Dandora	Garbage in a heap on the ground	Garbage in large heaps
							0:17:00	2:10:00	0:03:00	2:30:00	16.8			

Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	31.2	12:25 PM	109	1:05 PM	110	CBD	0:40:00	1:25:00			14.4	Haille Sellasie ave, Wakulima market	Garbage in heap in the market	Garbage in heap, loading done by tractor belonging to CCN, traffic jam
Dumpsite	44.6	2:10 PM	111	2:15 PM	112	Embakasi		1:05:00	0:05:00		13.4	Dandora	Garbage in heap	Garbage in heap
Garage	51.5	3:00 PM	113	3:02 PM	114	Starehe		0:45:00			6.9	Pangani shopping centre	Parking at contractors parking	Parking at contractors parking
							0:40:00	3:15:00	0:05:00	4:00:00	34.7			
							0:57:00	5:25:00	0:08:00	6:30:00	51.5			

Mon 14 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	8:30 AM	115	8:55 AM	116	Starehe						Pangani shopping centre	Parking at contractors parking	Contractors parking
1st	2.5	9:28 AM	117	10:02 AM	118	Starehe	0:34:00	0:33:00			2.5	Ngweni road, Eastleigh	Garbage in heap near roadside	Garbage in heap near roadside, garbage loaded by city council tractor
Dumpsite	10.2	10:42 AM	119	10:44 AM	120	Embakasi		0:40:00	0:02:00		7.7	Dandora	Garbage in heap	Garbage in heap
							0:34:00	1:13:00	0:02:00	1:49:00	10.2			
Location - Trip 2	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	21.8	11:30 AM	121	12:17 PM	122	Starehe	0:47:00	0:46:00			11.6	Huruma corner, Huruma road	Garbage on the road	General public waste, Garbage in heap, loading done by tractor belonging to CCN, Sunny weather, Dry road
Dumpsite	25.6	12:53 PM	123	12:58 PM	124	Embakasi		0:36:00	0:05:00		3.8	Dandora	Garbage in heap	Garbage in heap
							0:47:00	1:22:00	0:05:00	2:14:00	15.4			
Location - Trip 3	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
1st	28.8	1:32 PM	125	1:59 PM	126	Starehe	0:27:00	0:34:00			3.2	CJCC church, Huruma road	Garbage at the roadside	General public waste, Garbage in heap, loading done by tractor belonging to CCN, Sunny weather, Dry road
Dumpsite	32.3	2:52 PM	127	3:01 PM	128	Embakasi		0:53:00	0:09:00		3.5	Dandora	Garbage in heap	Garbage in heap
Garage	39.4	4:01 PM	129	4:05 PM	130	Starehe		1:00:00			7.1	Pangani shopping centre	Parking at contractors parking	Parking at contractors parking
							0:27:00	2:27:00	0:09:00	3:03:00	13.8			
							1:48:00	5:02:00	0:16:00	7:06:00	39.4			

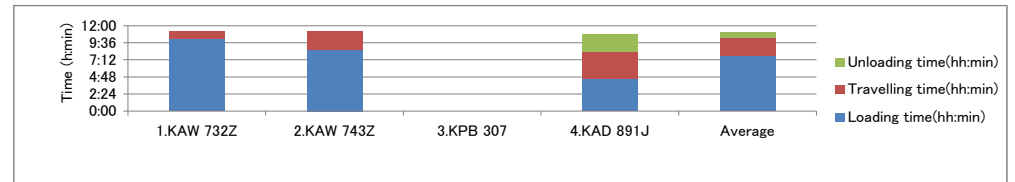
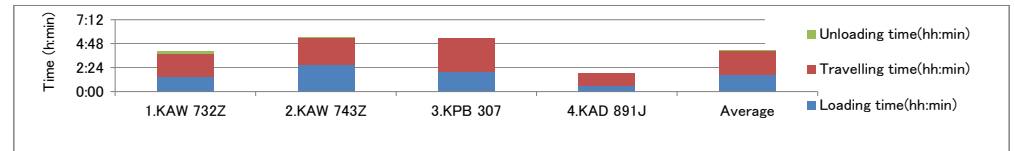
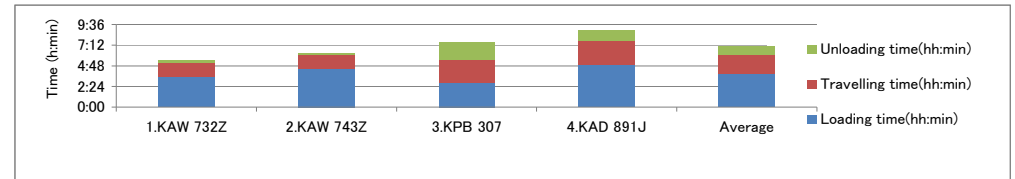
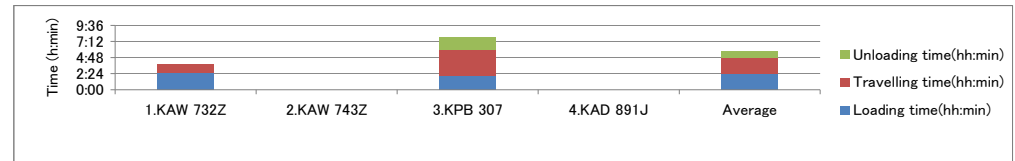
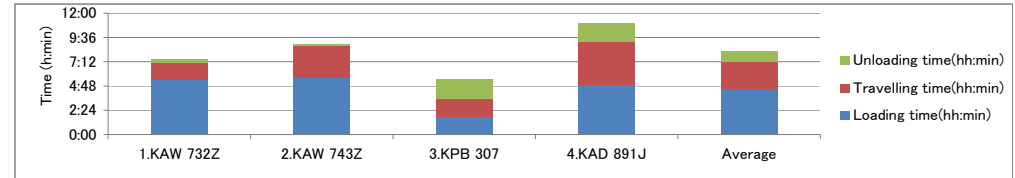
Tue 15 Dec 09

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
Garage	0	5:50 AM	131	6:23 AM	132	Starehe						Pangani shopping centre	Parking at contractors parking	Parking at contractors parking
1st	5	6:38 AM	133	6:45 AM	134	Westlands	0:07:00	0:15:00			5	Peppers restaurant, Parklands road	Garbage in drums and bins	Garbage in drums and bins, no spills, food and general wastes, dry roads, no jams,
2nd	5.2	6:47 AM	135	6:50 AM	136	Westlands	0:03:00	0:02:00			0.2	Technology today, Muthithi road	Garbage in bins and plastic bags	Garbage in bins and plastic bags, drippings, general public wastes, dry road, no jam,
3rd	5.3	6:51 AM	137	6:52 AM	138	Westlands	0:01:00	0:01:00			0.1	Euro dollar, Mpaka road	Garbage in tin bins at roadside	Garbage in tin bins at the roadside, drippings, general public wastes, dry road, no jam,
4th	5.5	6:53 AM	139	6:55 AM	140	Westlands	0:02:00	0:01:00			0.2	Next boutique, Mpaka road	Garbage in tin bins at roadside, spills noted	Garbage in tin bins at the roadside, spills noted, general public wastes, ry road, no jam, sunny
5th	5.6	6:56 AM	141	6:58 AM	142	Westlands	0:02:00	0:01:00			0.1	Stone bic College, Chiromo road	Garbage in tin bins at the roadside, overspilling	Garbage in tin bins at the roadside, overspilling, general public wastes, dry road, no jam, sunny
6th	5.7	6:59 AM	143	7:02 AM	144	Westlands	0:03:00	0:01:00			0.1	Lyntons Chemists, Chiromo road	Garbage in tin bins at the roadside, overspilling	Garbage in tin bins at the roadside, overspilling, general public wastes, dry road, no jam,
7th	6	7:05 AM	145	7:13 AM	146	Westlands	0:08:00	0:03:00			0.3	Shell petrol station, Woodvale groove	Garbage overspilled from tin bin	Garbage overspilled from tin bin, general public wastes, dry road, no jam, sunny
8th	6.2	7:14 AM	147	7:18 AM	148	Westlands	0:04:00	0:01:00			0.2	Barclays bank, Westlands	Garbage in tin bins at the roadside	Garbage in tin bins at the roadside, general public wastes, dry road, no jam, sunny
9th	11.9	7:29 AM	149	8:07 AM	150	Westlands	0:38:00	0:11:00			5.7	Ist point kangemi	Garbage in plastuc bags and in enclosed point	Garbage in plastuc bags and in enclosed point, general public wastes, dry road, no jam, sunny
10th	12.1	8:10 AM	151	8:25 AM	152	Westlands	0:15:00	0:03:00			0.2	Highway metal, Waiyaki way	Garbage in a heap on the ground	Garbage burnt and in a heap on the ground, general public wastes, dry road, no jam, sunny
11th	12.4	8:27 AM	153	8:33 AM	154	Westlands	0:06:00	0:02:00			0.3	Kangemi bridge, Waiyaki way	Garbage burnt and in a heap on the ground	Garbage burnt and in a heap on the ground, general public wastes, dry road, no jam, sunny
12th	12.7	8:34 AM	155	8:55 AM	156	Westlands	0:21:00	0:01:00			0.3	Kihumbuini bar, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, dry road, no jam,
13th	12.8	8:56 AM	157	9:18 AM	158	Westlands	0:22:00	0:01:00			0.1	Update investment, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam, sunny
14th	12.9	9:19 AM	159	9:55 AM	160	Westlands	0:36:00	0:01:00			0.1	Waiyaki way supermarket, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam, sunny
15th	12.9	9:57 AM	161	10:02 AM	162	Westlands	0:05:00	0:02:00			0	open view wines and spirits, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam, sunny
16th	12.9	10:04 AM	163	10:46 AM	164	Westlands	0:42:00	0:02:00			0	Yu shop, corner butchery Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam, sunny
17th	13.2	10:50 AM	165	11:03 AM	166	Westlands	0:13:00	0:04:00			0.3	Highway shop, Kangemi	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam
18th	13.3	11:06 AM	167	11:17 AM	168	Westlands	0:11:00	0:03:00			0.1	Patma commu-ication, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, general public wastes, rough road, no jam, sunny

Location - Trip 1	Odometer	Arrival Time	Way point at arrival	Departure Time	Way point at departure	Division /Region	Loading Time (min)	Traveling time (min)	Unloading time (min)	Total Trip Time	Total trip (km)	Name of collection point	Status of collection point	Observation
19th	13.8	11:22 AM	169	11:37 AM	170	Westlands	0:15:00	0:05:00			0.5	Highway laundry waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, over spillages general public wastes, orderly staff, no traffic jam, Sunny, Smooth tarmack road
20th	14.2	11:39 AM	171	11:52 AM	178	Westlands	0:13:00	0:02:00			0.4	Baraka filling station	Garbage in plastic bags and in some on bare ground	Garbage in plastic bags and in some on bare ground, over spillages, general public wastes, orderly staff, no traffic jam, Sunny, Smooth murrum road
21st	14.4	11:57 AM	173	12:07 PM	180	Westlands	0:10:00	0:05:00			0.2	Dam view place, Waiyaki way	Garbage on bare ground in sacks	Garbage on bare ground in sacks, general public wastes, orderly staff, no traffic jam, Sunny, Smooth tarmack road
22nd	14.6	12:10 PM	175	12:58 PM	182	Westlands	0:48:00	0:03:00			0.2	Vibros stores, Waiyaki way	Garbage in a heap on the ground	Garbage in a heap on the ground, over spillages, general public wastes, orderly staff, no traffic jam, Sunny, Smooth murrum road
Dumpsite	37	1:59 PM	177	2:03 PM	184	Embakasi		1:01:00	0:04:00		22.4	Dandora	Garbage in a heap	Garbage in a heap
Garage	44.1	2:40 PM	179	2:50 PM	186	Starehe		0:37:00			7.1	Pangani shopping centre	Parking at contractors parking	Parking at contractors parking
							5:25:00	2:48:00	0:04:00	8:17:00	44.1			
							5:25:00	2:48:00	0:04:00	8:17:00	44.1			

### (5) Loading, Unloading and Traveling Time

LOADING AND TRAVELING TIME						
30-Nov-10	1st trip	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	5:27	5:37	1:44	4:57	4:26
	Travelling time(hh:min)	1:39	3:13	1:52	4:17	2:45
	Unloading time(hh:min)	0:20	0:07	1:53	1:50	1:02
	Total trip time(min)	446	537	329	664	494
	Loaded waste Amount(ton)	4.11	5.21	5.48	3.11	4.48
	Collected amount per hour(ton/hr)	0.55	0.58	1.00	0.28	0.60
	No. of collection point	11	6	14	14	11.25
	2nd trip	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	2:39		2:01		2:20
	Travelling time(hh:min)	1:11		3:53		2:32
	Unloading time(hh:min)	0:00		1:53		0:56
	Total trip time(min)	230		467		349
	Loaded waste Amount(ton)	0		2.01		1.01
	Collected amount per hour(ton/hr)	0		0.26		0.13
	No. of collection point	1		7		4.00
1-Dec-10	1st trip	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	3:35	4:28	2:47	4:53	3:55
	Travelling time(hh:min)	1:35	1:42	2:48	2:53	2:14
	Unloading time(hh:min)	0:18	0:10	2:00	1:12	0:55
	Total trip time(min)	328	380	455	538	425
	Loaded waste Amount(ton)	3.37	4.07	3.66	3.2	3.58
	Collected amount per hour(ton/hr)	0.41	0.64	0.48	0.36	0.47
	No. of collection point	7	2	16	7	8.00
	2nd trip	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	1:32	2:47	1:59	0:37	1:43
	Travelling time(hh:min)	2:13	2:36	3:20	1:18	2:21
	Unloading time(hh:min)	0:17	0:03	0:00	0:00	0:05
	Total trip time(min)	242	326	319	115	251
	Loaded waste Amount(ton)	3.87	2.05	3.27	0	2.30
	Collected amount per hour(ton/hr)	0.96	0.38	0.62	0.00	0.49
	No. of collection point	1	1	13	1	4.00
2-Dec-10	1st trip	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	10:12	8:44		4:36	7:50
	Travelling time(hh:min)	1:06	2:34		3:47	2:29
	Unloading time(hh:min)	0:00	0:00		2:27	0:49
	Total trip time(min)	678	678		650	669
	Loaded waste Amount(ton)	0	0		3.34	1.11
	Collected amount per hour(ton/hr)	0.00	0.00		0.31	0.10
	No. of collection point	8	4		18	10.00



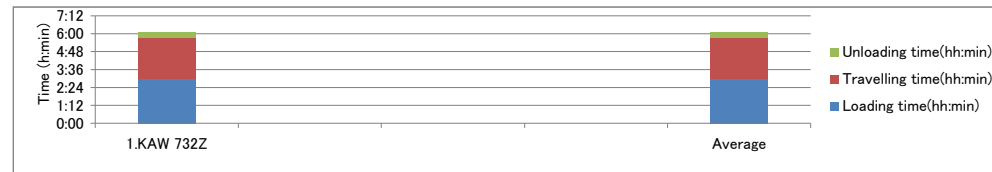
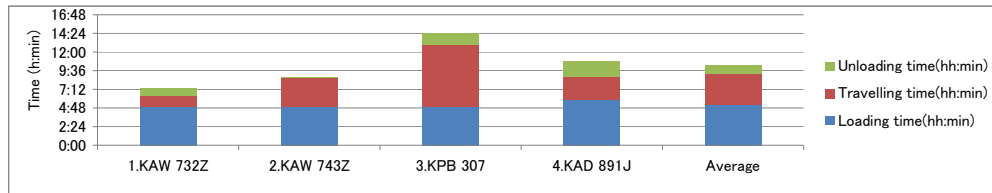
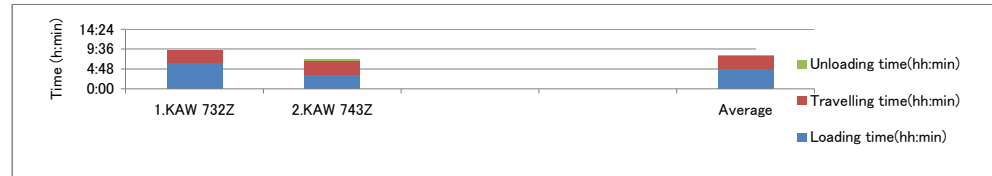
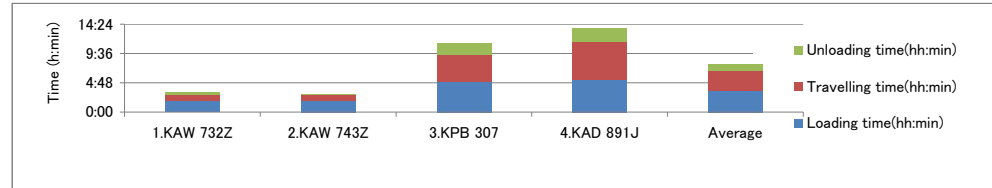


3-Dec-10	<b>1st trip</b>	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	1:56	1:48	4:56	5:19	3:29
	Travelling time(hh:min)	0:59	1:08	4:32	6:15	3:13
	Unloading time(hh:min)	0:21	0:05	1:51	2:08	1:06
	Total trip time(min)	196	181	679	822	470
	Loaded waste Amount(ton)	4.68	4.22	4.76	3.3	4.24
	Collected amount per hour(ton/hr)	1.43	1.40	0.42	0.24	0.87
	No. of collection point	0	0	13	12	6.25

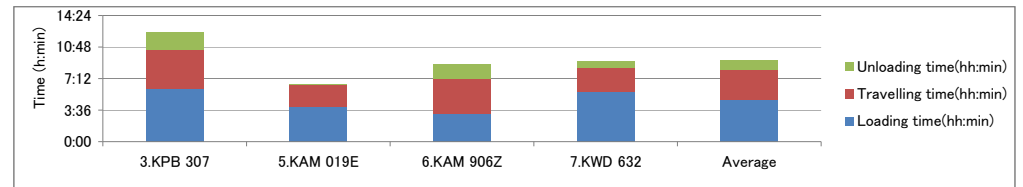
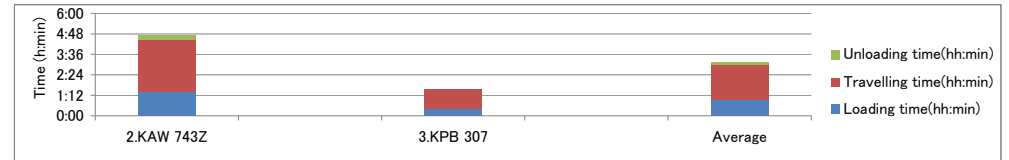
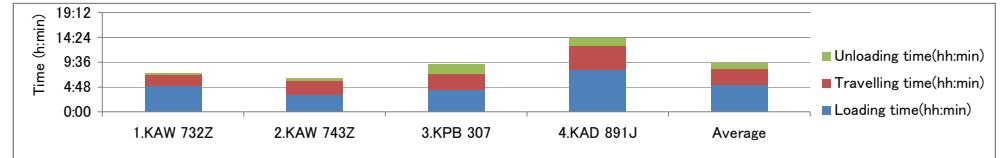
	<b>2nd trip</b>	1.KAW 732Z	2.KAW 743Z			Average
	Loading time(hh:min)	6:20	3:25			4:52
	Travelling time(hh:min)	2:59	3:19			3:09
	Unloading time(hh:min)	0:00	0:22			0:11
	Total trip time(min)	559	428			493
	Loaded waste Amount(ton)	0	4.01			2.01
	Collected amount per hour(ton/hr)	0	0.56			0.28
	No. of collection point	6	4			5.00

4-Dec-10	<b>1st trip</b>	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	4:58	4:59	5:03	5:49	5:12
	Travelling time(hh:min)	1:28	3:44	7:53	3:02	4:01
	Unloading time(hh:min)	0:59	0:04	1:30	2:03	1:09
	Total trip time(min)	445	527	866	654	623
	Loaded waste Amount(ton)	5.64	5.12	4.15	3.09	4.50
	Collected amount per hour(ton/hr)	0.76	0.58	0.29	0.28	0.48
	No. of collection point	6	6	36	15	15.75

	<b>2nd trip</b>	1.KAW 732Z				Average
	Loading time(hh:min)	2:59				2:59
	Travelling time(hh:min)	2:46				2:46
	Unloading time(hh:min)	0:23				0:23
	Total trip time(min)	368				368
	Loaded waste Amount(ton)	4.10				4.10
	Collected amount per hour(ton/hr)	0.67				0.67
	No. of collection point	4				4.00



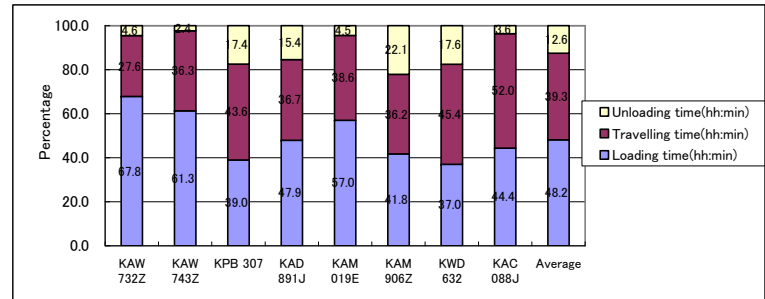
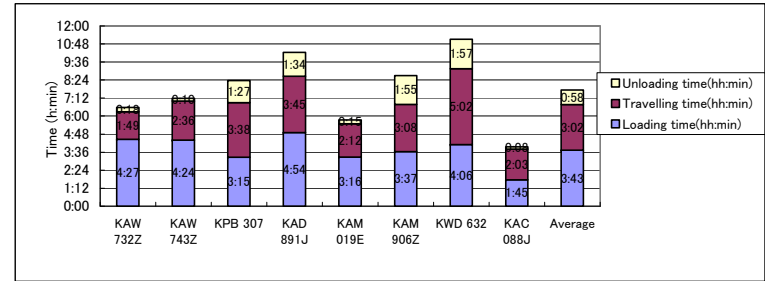
5-Dec-10	<b>1st trip</b>	1.KAW 732Z	2.KAW 743Z	3.KPB 307	4.KAD 891J	Average
	Loading time(hh:min)	4:59	3:26	4:22	8:08	5:13
	Travelling time(hh:min)	2:15	2:35	3:01	4:47	3:09
	Unloading time(hh:min)	0:23	0:32	1:54	1:23	1:03
	Total trip time(min)	457	393	557	858	566
	Loaded waste Amount(ton)	4.15	4.46	3.97	3.43	4.00
	Collected amount per hour(ton/hr)	0.54	0.68	0.43	0.24	0.47
	No. of collection point	6	1	17	11	8.75
	<b>2nd trip</b>	2.KAW 743Z		3.KPB 307		Average
	Loading time(hh:min)	1:27		0:24		0:55
	Travelling time(hh:min)	3:00		1:08		2:04
	Unloading time(hh:min)	0:16		0:00		0:08
	Total trip time(min)	283		92		188
	Loaded waste Amount(ton)	2.22		0		1.11
	Collected amount per hour(ton/hr)	0.47		0.00		0.24
	No. of collection point	6		0		3.00
7-Dec-10	<b>1st trip</b>	3.KPB 307	5.KAM 019E	6.KAM 906Z	7.KWD 632	Average
	Loading time(hh:min)	6:05	3:58	3:11	5:42	4:44
	Travelling time(hh:min)	4:20	2:32	4:00	2:46	3:24
	Unloading time(hh:min)	2:05	0:03	1:41	0:48	1:09
	Total trip time(min)	750	393	532	556	558
	Loaded waste Amount(ton)	4.16	0	6.04	12.85	5.76
	Collected amount per hour(ton/hr)	0.33	0.00	0.68	1.39	0.80
	No. of collection point	17	10	8	7	10.50



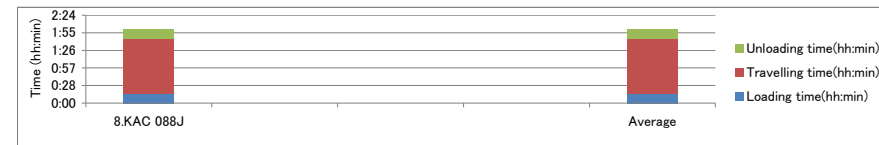
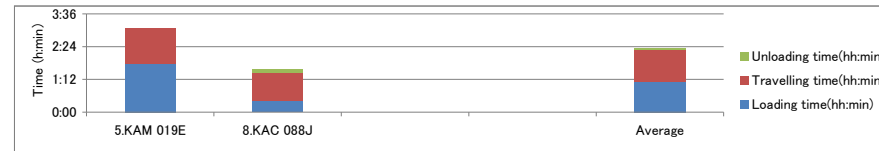
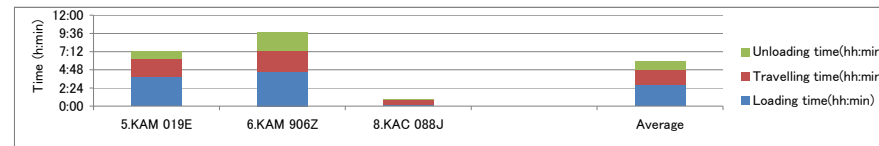
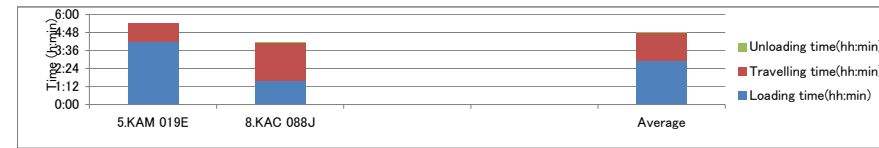
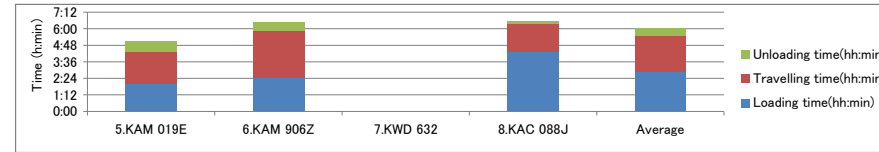
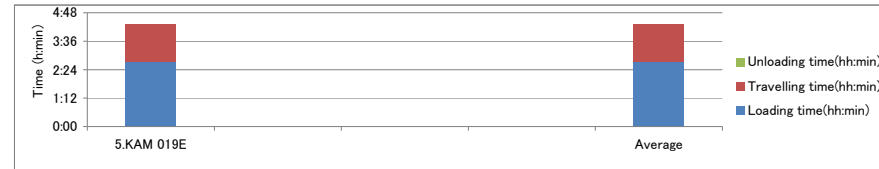
Rainy Season -Average

	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Loading time(hh:min)	4:27	4:24	3:15	4:54	3:16	3:37	4:06	1:45	3:43
Travelling time(hh:min)	1:49	2:36	3:38	3:45	2:12	3:08	5:02	2:03	3:02
Unloading time(hh:min)	0:18	0:10	1:27	1:34	0:15	1:55	1:57	0:08	0:58
Total trip time(min)	395	431	502	614	345	522	666	238	464
Loaded waste Amount(ton)	3.0	3.6	3.5	2.8	0.0	5.3	10.1	6.8	4.4
Collected amount per hour(ton/hr)	0.5	0.6	0.4	0.2	0.0	0.6	0.9	2.6	0.7
No. of collection point	5.0	3.0	14.8	11.1	7.6	5.7	9.5	5.3	7.7

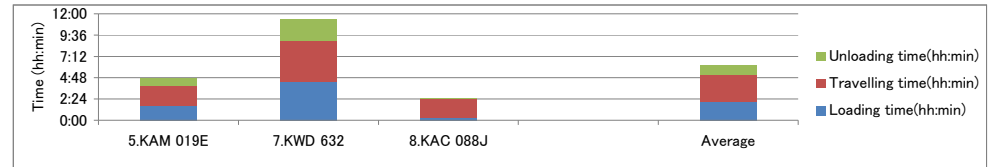
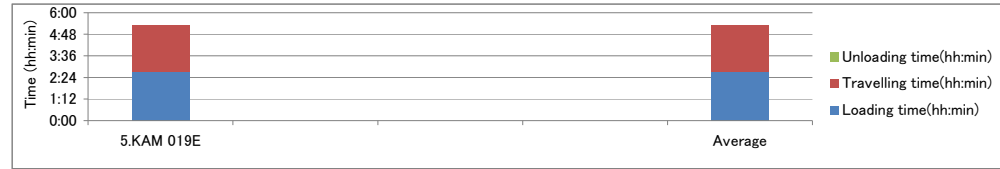
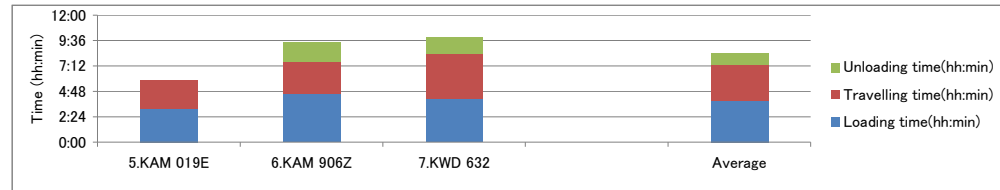
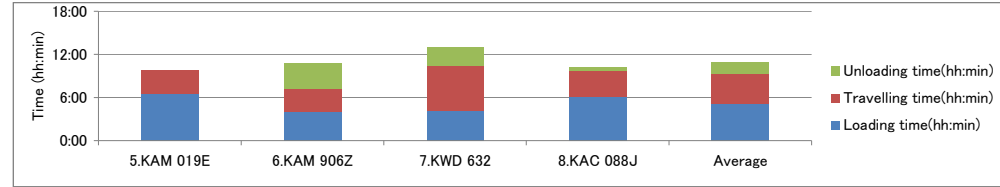
	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Loading time(hh:min)	4:27	4:24	3:15	4:54	3:16	3:37	4:06	1:45	3:43
Travelling time(hh:min)	1:49	2:36	3:38	3:45	2:12	3:08	5:02	2:03	3:02
Unloading time(hh:min)	0:18	0:10	1:27	1:34	0:15	1:55	1:57	0:08	0:58
Total	6:34	7:11	8:21	10:14	5:44	8:41	11:06	3:57	7:43
Loading time(hh:min)	67.8	61.3	39.0	47.9	57.0	41.8	37.0	44.4	48.2
Travelling time(hh:min)	27.6	36.3	43.6	36.7	38.6	36.2	45.4	52.0	39.3
Unloading time(hh:min)	4.6	2.4	17.4	15.4	4.5	22.1	17.6	3.6	12.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total trip time(min)	395	431	502	614	345	522	666	238	464
Loaded waste Amount(ton)	3.0	3.6	3.5	2.8	0.0	5.3	10.1	6.8	4.4
Collected amount per hour(ton/hr)	0.5	0.6	0.4	0.2	0.0	0.6	0.9	2.6	0.7
No. of collection point	5.0	3.0	14.8	11.1	7.6	5.7	9.5	5.3	7.7



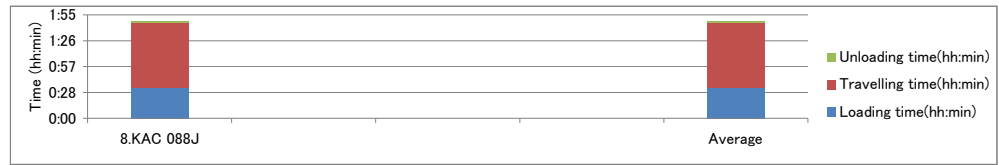
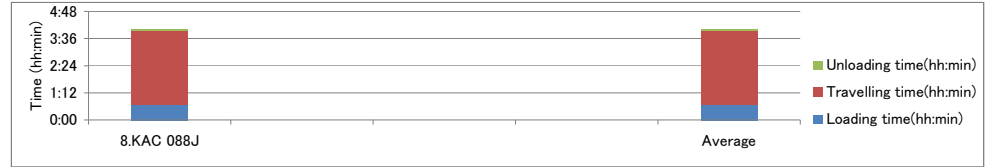
	<b>2nd trip</b>	5.KAM 019E				Average
	Loading time(hh:min)	2:45				2:45
	Travelling time(hh:min)	1:34				1:34
	Unloading time(hh:min)	0:00				0:00
	Total trip time(min)	259				259
	Loaded waste Amount(ton)	0				0.00
	Collected amount per hour(ton/hr)	0.00				0.00
	No. of collection point	6				6.00
8-Dec-10	<b>1st trip</b>	5.KAM 019E	6.KAM 906Z	7.KWD 632	8.KAC 088J	Average
	Loading time(hh:min)	2:00	2:25			4:18
	Travelling time(hh:min)	2:18	3:28			2:06
	Unloading time(hh:min)	0:46	0:38			0:11
	Total trip time(min)	304	391			395
	Loaded waste Amount(ton)	0.00	2.45			5.31
	Collected amount per hour(ton/hr)	0.00	0.38			0.81
	No. of collection point	10.00	2.00			22.00
						11.33
	<b>2nd trip</b>	5.KAM 019E	8.KAC 088J			Average
	Loading time(hh:min)	4:12	1:37			2:54
	Travelling time(hh:min)	1:14	2:32			1:53
	Unloading time(hh:min)	0:00	0:03			0:01
	Total trip time(min)	326	252			289
	Loaded waste Amount(ton)	0.00	7.85			3.93
	Collected amount per hour(ton/hr)	0.00	1.87			0.93
	No. of collection point	3	1			2.00
9-Dec-10	<b>1st trip</b>	5.KAM 019E	6.KAM 906Z	8.KAC 088J		Average
	Loading time(hh:min)	3:54	4:32	0:13		2:53
	Travelling time(hh:min)	2:24	2:51	0:36		1:57
	Unloading time(hh:min)	0:56	2:25	0:08		1:09
	Total trip time(min)	434	588	57		360
	Loaded waste Amount(ton)	0.00	5.36	5.36		3.57
	Collected amount per hour(ton/hr)	0.00	0.55	5.64		2.06
	No. of collection point	10	4	1		5.00
	<b>2nd trip</b>	5.KAM 019E	8.KAC 088J			Average
	Loading time(hh:min)	1:46	0:26			1:06
	Travelling time(hh:min)	1:19	1:01			1:10
	Unloading time(hh:min)	0:00	0:08			0:04
	Total trip time(min)	185	95			140
	Loaded waste Amount(ton)	0.00	6.92			3.46
	Collected amount per hour(ton/hr)	0.00	4.37			2.19
	No. of collection point	6	1			3.50
	<b>3rd trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	0:15				0:15
	Travelling time(hh:min)	1:31				1:31
	Unloading time(hh:min)	0:15				0:15
	Total trip time(min)	121				121
	Loaded waste Amount(ton)	6.86				6.86
	Collected amount per hour(ton/hr)	3.40				3.40
	No. of collection point	1				1.00



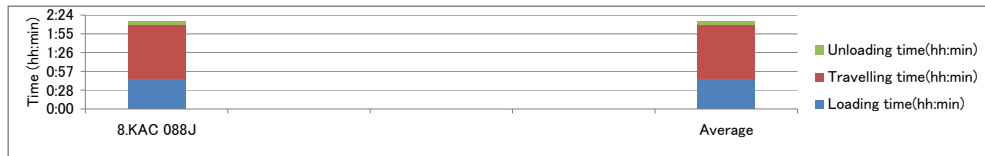
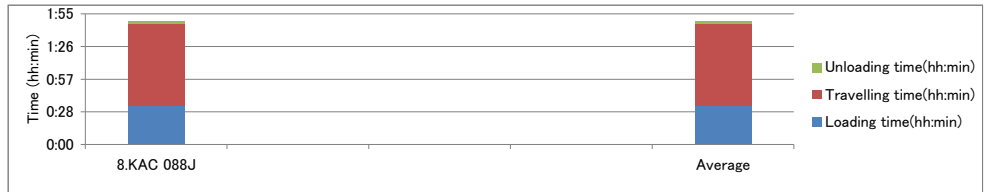
10-Dec-10	<b>1st trip</b>	5.KAM 019E	6.KAM 906Z	7.KWD 632	8.KAC 088J	Average
	Loading time(hh:min)	6:30	4:04	4:14	6:05	5:13
	Travelling time(hh:min)	3:18	3:09	6:11	3:42	4:05
	Unloading time(hh:min)	0:00	3:35	2:30	0:30	1:38
	Total trip time(min)	588	648	775	617	657
	Loaded waste Amount(ton)	0.00	5.41	9.31	7.66	5.60
	Collected amount per hour(ton/hr)	0.00	0.50	0.72	0.74	0.49
	No. of collection point	14	8	11	9	10.50
11-Dec-10	<b>1st trip</b>	5.KAM 019E	6.KAM 906Z	7.KWD 632		Average
	Loading time(hh:min)	3:14	4:36	4:08		3:59
	Travelling time(hh:min)	2:39	3:02	4:14		3:18
	Unloading time(hh:min)	0:00	1:49	1:34		1:07
	Total trip time(min)	353	567	596		505
	Loaded waste Amount(ton)	0.00	6.42	11.85		6.09
	Collected amount per hour(ton/hr)	0.00	0.68	1.19		0.62
	No. of collection point	10	9	5		8.00
	<b>2nd trip</b>	5.KAM 019E				Average
	Loading time(hh:min)	2:44				2:44
	Travelling time(hh:min)	2:35				2:35
	Unloading time(hh:min)	0:00				0:00
	Total trip time(min)	319				319
	Loaded waste Amount(ton)	0.00				0.00
	Collected amount per hour(ton/hr)	0.00				0.00
	No. of collection point	5				5.00
12-Dec-10	<b>1st trip</b>	5.KAM 019E	7.KWD 632	8.KAC 088J		Average
	Loading time(hh:min)	1:40	4:26	0:17		2:07
	Travelling time(hh:min)	2:16	4:31	2:10		2:59
	Unloading time(hh:min)	0:49	2:27	0:03		1:06
	Total trip time(min)	285	684	150		373
	Loaded waste Amount(ton)	0.00	8.49	6.51		5.00
	Collected amount per hour(ton/hr)	0.00	0.74	2.60		1.12
	No. of collection point	2	10	2		4.67



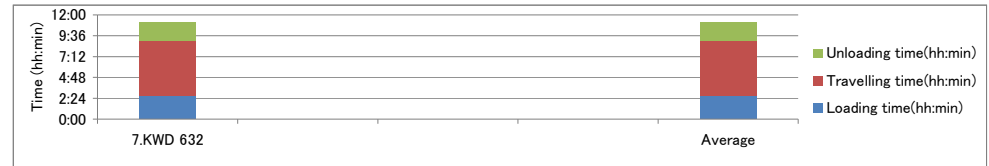
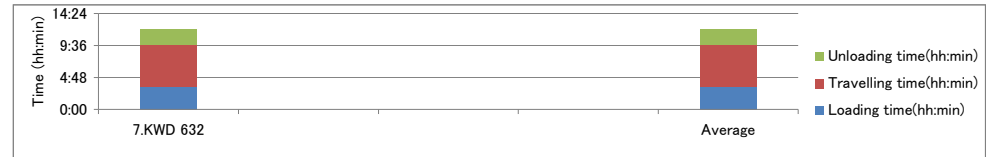
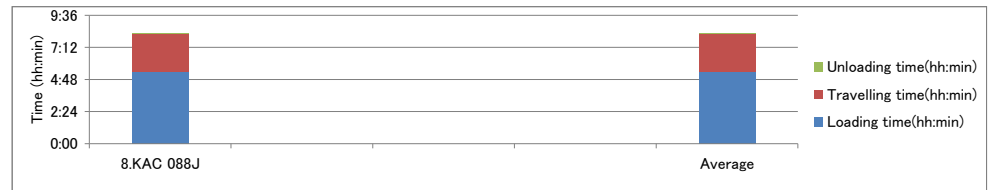
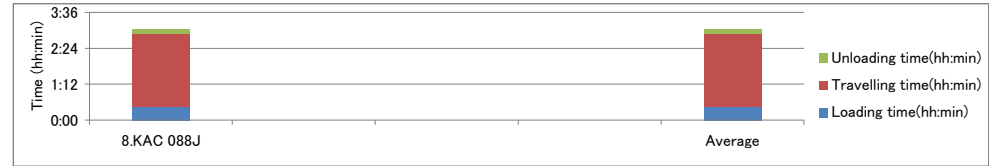
	<b>2nd trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	0:40				0:40
	Travelling time(hh:min)	3:15				3:15
	Unloading time(hh:min)	0:05				0:05
	Total trip time(min)	240				240
	Loaded waste Amount(ton)	6.78				6.78
	Collected amount per hour(ton/hr)	1.70				1.70
	No. of collection point	1				1.00
13-Dec-10	<b>1st trip</b>	6.KAM 906Z				Average
	Loading time(hh:min)	2:59				2:59
	Travelling time(hh:min)	2:22				2:22
	Unloading time(hh:min)	1:22				1:22
	Total trip time(min)	403				403
	Loaded waste Amount(ton)	6.32				6.32
	Collected amount per hour(ton/hr)	0.94				0.94
	No. of collection point	3				3.00



14-Dec-10	<b>1st trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	0:34				0:34
	Travelling time(hh:min)	1:13				1:13
	Unloading time(hh:min)	0:02				0:02
	Total trip time(min)	109				109
	Loaded waste Amount(ton)	7.19				7.19
	Collected amount per hour(ton/hr)	3.96				3.96
	No. of collection point	1				1.00
	<b>2nd trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	0:47				0:47
	Travelling time(hh:min)	1:22				1:22
	Unloading time(hh:min)	0:05				0:05
	Total trip time(min)	134				134
	Loaded waste Amount(ton)	7.22				7.22
	Collected amount per hour(ton/hr)	3.23				3.23
	No. of collection point	1				1.00



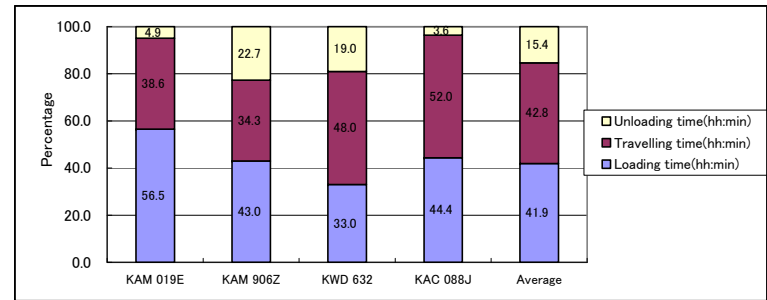
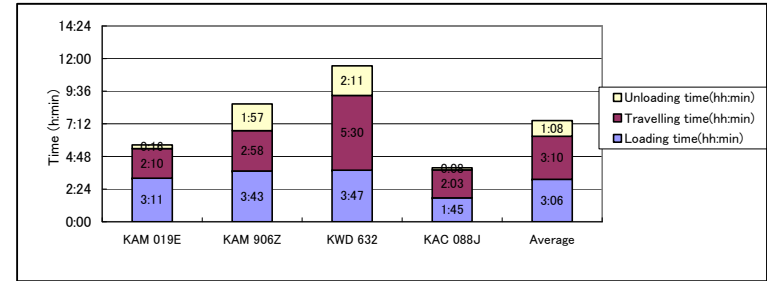
	<b>3rd trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	0:27				0:27
	Travelling time(hh:min)	2:27				2:27
	Unloading time(hh:min)	0:09				0:09
	Total trip time(min)	183				183
	Loaded waste Amount(ton)	7.33				7.33
	Collected amount per hour(ton/hr)	2.40				2.40
	No. of collection point	1				1.00
15-Dec-10	<b>1st trip</b>	8.KAC 088J				Average
	Loading time(hh:min)	5:25				5:25
	Travelling time(hh:min)	2:48				2:48
	Unloading time(hh:min)	0:04				0:04
	Total trip time(min)	497				497
	Loaded waste Amount(ton)	6.43				6.43
	Collected amount per hour(ton/hr)	0.78				0.78
	No. of collection point	22				22.00
16-Dec-10	<b>1st trip</b>	7.KWD 632				Average
	Loading time(hh:min)	3:24				3:24
	Travelling time(hh:min)	6:17				6:17
	Unloading time(hh:min)	2:18				2:18
	Total trip time(min)	719				719
	Loaded waste Amount(ton)	10.7				10.70
	Collected amount per hour(ton/hr)	0.89				0.89
	No. of collection point	12				12.00
17-Dec-10	<b>1st trip</b>	7.KWD 632				Average
	Loading time(hh:min)	2:44				2:44
	Travelling time(hh:min)	6:18				6:18
	Unloading time(hh:min)	2:06				2:06
	Total trip time(min)	668				668
	Loaded waste Amount(ton)	7.40				7.40
	Collected amount per hour(ton/hr)	0.66				0.66
	No. of collection point	12				12.00



Rainy Season -Average

	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Loading time(hh:min)					3:11	3:43	3:47	1:45	3:06
Travelling time(hh:min)					2:10	2:58	5:30	2:03	3:10
Unloading time(hh:min)					0:16	1:57	2:11	0:08	1:08
Total trip time(hh:min)					5:39	8:39	11:28	3:57	7:26
Loaded waste Amount(ton)					0.0	5.2	9.6	6.8	5.4
Collected amount per hour(ton/hr)					0.0	0.6	0.8	1.7	0.8
No. of collection point					7.3	5.2	10.0	5.3	6.9

	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Loading time(hh:min)					3:11	3:43	3:47	1:45	3:06
Travelling time(hh:min)					2:10	2:58	5:30	2:03	3:10
Unloading time(hh:min)					0:16	1:57	2:11	0:08	1:08
Total					5:39	8:39	11:28	3:57	7:26
Loading time(hh:min)					56.5	43.0	33.0	44.4	41.9
Travelling time(hh:min)					38.6	34.3	48.0	52.0	42.8
Unloading time(hh:min)					4.9	22.7	19.0	3.6	15.4
Total					100.0	100.0	100.0	100.0	100.0
Total trip time(hh:min)					5:39	8:39	11:28	3:57	7:26
Loaded waste Amount(ton)					0.0	5.2	9.6	6.8	5.4
Collected amount per hour(ton/hr)					0.0	0.6	0.8	1.7	0.8
No. of collection point					7.3	5.2	10.0	5.3	6.9





## (6) Waste Collection Amount per Trip

### Monday,30-Nov,2009 trip 1

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	4.11	5.21	5.48	3.11	4.4775
Collected waste amount(kg)	4110	5210	5480	3110	4477.5
Mileage(km)	15.8	49.7	12	40	29.375
Loading time(mm)	327	337	104	297	266.25
Traveling time(mm)	99	193	112	257	165.25
Unloading time(mm)	20	7	113	110	62.5
Total time(mm)	446	537	329	664	494
Collected waste amount per:					
loading time(kg/hr)	754	928	3162	628	1368
transportation time(kg/hr)	2491	1620	2936	726	1943
total time (kg/hr)	553	582	999	281	604
total time per km (kg/hr/km)	35	12	83	7	34
Collected amount ratio to average per:					
loading time(%)	55	68	231	46	100
traveling time(%)	128	83	151	37	100
total time(%)	92	96	165	47	100
total time per km (%)	102	34	243	21	100

### Monday,30-Nov,2009 trip 2

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	0		2.01		1.005
Collected waste amount(kg)	0		2010		1005
Mileage(km)	15.8		34		24.9
Loading time(mm)	542		121		331.5
Traveling time(mm)	170		233		201.5
Unloading time(mm)	20		113		66.5
Total time(mm)	676		467		571.5
Collected waste amount per:					
loading time(kg/hr)	0		997		498
transportation time(kg/hr)	0		518		259
total time (kg/hr)	0		258		129
total time per km (kg/hr/km)	0		8		4
Collected amount ratio to average per:					
loading time(%)	0		200		100
traveling time(%)	0		200		100
total time(%)	0		200		100
total time per km (%)	0		200		100

**Tuesday,1-Dec.2009 trip 1**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	3.37	4.07	3.66	3.2	3.575
Collected waste amount(kg)	3370	4070	3660	3200	3575
Mileage(km)	16.4	36.8	23.7	49	31.475
Loading time(mm)	215	268	167	293	235.75
Traveling time(mm)	95	102	168	173	134.5
Unloading time(mm)	18	10	120	72	55
Total time(mm)	328	380	455	538	425.25
Collected waste amount per:					
loading time(kg/hr)	940	911	1315	655	910
transportation time(kg/hr)	2128	2394	1307	1110	1595
total time (kg/hr)	616	643	483	357	504
total time per km (kg/hr/km)	38	17	20	7	16
Collected amount ratio to average per:					
loading time(%)	103	100	145	72	100
traveling time(%)	133	150	82	70	100
total time(%)	122	127	96	71	100
total time per km (%)	235	109	127	45	100

**Tuesday,1-Dec.2009 trip 2**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	3.87	2.05	3.27		3.063333333
Collected waste amount(kg)	3870	2050	3270		3063.333333
Mileage(km)	40.1	54.2	37.6		43.96666667
Loading time(mm)	92	167	119		126
Traveling time(mm)	133	156	200		163
Unloading time(mm)	17	3	0		6.666666667
Total time(mm)	242	326	319		295.6666667
Collected waste amount per:					
loading time(kg/hr)	2524	737	1649		1459
transportation time(kg/hr)	1746	788	981		1128
total time (kg/hr)	960	377	615		622
total time per km (kg/hr/km)	24	7	16		14
Collected amount ratio to average per:					
loading time(%)	173	50	113		100
traveling time(%)	155	70	87		100
total time(%)	154	61	99		100
total time per km (%)	169	49	116		100

**Wednesday,2-Dec.2009**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	n/a	n/a		3.34	3.34
Collected waste amount(kg)	n/a	n/a		3340	3340.00
Mileage(km)	6	92.6		35	44.53
Loading time(mm)	612	524		276	470.67
Traveling time(mm)	66	154		227	149.00
Unloading time(mm)	0	0		147	49.00
Total time(mm)	678	678		650	668.67
Collected waste amount per:					
loading time(kg/hr)	n/a	n/a		726	726
transportation time(kg/hr)	n/a	n/a		883	883
total time (kg/hr)	n/a	n/a		308	308
total time per km (kg/hr/km)	n/a	n/a		9	9
Collected amount ratio to average per:					
loading time(%)	n/a	n/a		100	100
traveling time(%)	n/a	n/a		100	100
total time(%)	n/a	n/a		100	100
total time per km (%)	n/a	n/a		100	100

**Thursday,3-Dec.2009 trip 1**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	4.68	4.22	4.76	<b>3.3</b>	4.24
Collected waste amount(kg)	4680	4220	4760	3300	4240.00
Mileage(km)	12.7	16.9	32	64	31.40
Loading time(mm)	116	108	296	319	209.75
Traveling time(mm)	59	68	272	375	193.50
Unloading time(mm)	21	5	111	128	66.25
Total time(mm)	196	181	679	822	469.50
Collected waste amount per:					
loading time(kg/hr)	2421	2344	965	621	1588
transportation time(kg/hr)	4759	3724	1050	528	2515
total time (kg/hr)	1433	1399	421	241	873
total time per km (kg/hr/km)	113	83	13	4	53
Collected amount ratio to average per:					
loading time(%)	152	148	61	39	100
traveling time(%)	189	148	42	21	100
total time(%)	164	160	48	28	100
total time per km (%)	212	156	25	7	100

**Thursday,3-Dec.2009 trip 1**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	4.68	4.22	4.76	3.3	4.24
Collected waste amount(kg)	4680	4220	4760	3300	4240.00
Mileage(km)	12.7	16.9	32	64	31.40
Loading time(mm)	116	108	296	319	209.75
Traveling time(mm)	59	68	272	375	193.50
Unloading time(mm)	21	5	111	128	66.25
Total time(mm)	196	181	679	822	469.50
Collected waste amount per:					
loading time(kg/hr)	2421	2344	965	621	1588
transportation time(kg/hr)	4759	3724	1050	528	2515
total time (kg/hr)	1433	1399	421	241	873
total time per km (kg/hr/km)	113	83	13	4	53
Collected amount ratio to average per:					
loading time(%)	152	148	61	39	100
traveling time(%)	189	148	42	21	100
total time(%)	164	160	48	28	100
total time per km (%)	212	156	25	7	100

**Thursday,3-Dec.2009 trip 2**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	0	4.01			2.01
Collected waste amount(kg)	0	4010			2005.00
Mileage(km)	23.8	42.2			33.00
Loading time(mm)	496	205			350.50
Traveling time(mm)	238	199			218.50
Unloading time(mm)	21	22			21.50
Total time(mm)	755	426			590.50
Collected waste amount per:					
loading time(kg/hr)	0	1174			587
transportation time(kg/hr)	0	1209			605
total time (kg/hr)	0	565			282
total time per km (kg/hr/km)	0	13			7
Collected amount ratio to average per:					
loading time(%)	0	200			100
traveling time(%)	0	200			100
total time(%)	0	200			100
total time per km (%)	0	200			100

**Friday,4-Dec.2009 trip 1**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	5.64	5.12	4.15	3.09	4.50
Collected waste amount(kg)	5640	5120	4150	3090	4500.00
Mileage(km)	17.1	37.8	71.4	31	39.33
Loading time(mm)	298	299	303	349	312.25
Traveling time(mm)	88	224	473	182	241.75
Unloading time(mm)	59	4	90	123	69.00
Total time(mm)	445	527	866	654	623.00
Collected waste amount per:					
loading time(kg/hr)	1136	1027	822	531	879
transportation time(kg/hr)	3845	1371	526	1019	1690
total time (kg/hr)	760	583	288	283	479
total time per km (kg/hr/km)	44	15	4	9	18
Collected amount ratio to average per:					
loading time(%)	129	117	93	60	100
traveling time(%)	227	81	31	60	100
total time(%)	159	122	60	59	100
total time per km (%)	243	84	22	50	100

**Friday,4-Dec.2009 trip 2**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	4.1				4.10
Collected waste amount(kg)	4100				4100.00
Mileage(km)	37.3				37.30
Loading time(mm)	179				179.00
Traveling time(mm)	166				166.00
Unloading time(mm)	23				23.00
Total time(mm)	368				368.00
Collected waste amount per:					
loading time(kg/hr)	1374				1374
transportation time(kg/hr)	1482				1482
total time (kg/hr)	668				668
total time per km (kg/hr/km)	18				18
Collected amount ratio to average per:					
loading time(%)	100				100
traveling time(%)	100				100
total time(%)	100				100
total time per km (%)	100				100

**Saturday,5-Dec.2009 trip 1**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)	4.15	4.46	3.97	<b>3.43</b>	4.00
Collected waste amount(kg)	4150	4460	3970	3430	4002.50
Mileage(km)	31.5	38	43.4	74	46.73
Loading time(mm)	299	206	286	488	319.75
Traveling time(mm)	135	155	249	287	206.50
Unloading time(mm)	23	32	114	83	63.00
Total time(mm)	457	393	649	858	589.25
Collected waste amount per:					
loading time(kg/hr)	833	1299	833	422	847
transportation time(kg/hr)	1844	1726	957	717	1311
total time (kg/hr)	545	681	367	240	458
total time per km (kg/hr/km)	17	18	8	3	12
Collected amount ratio to average per:					
loading time(%)	98	153	98	50	100
traveling time(%)	141	132	73	55	100
total time(%)	119	149	80	52	100
total time per km (%)	147	153	72	28	100

**Saturday,5-Dec.2009 trip 2**

Vehicle no	KAW 732Z	KAW 743Z	KPB 307	KAD 891J	Average
Collected waste amount(ton)		2.22			2.22
Collected waste amount(kg)		2220			2220.00
Mileage(km)		40.9			40.90
Loading time(mm)		87			87.00
Traveling time(mm)		180			180.00
Unloading time(mm)		16			16.00
Total time(mm)		283			283.00
Collected waste amount per:					
loading time(kg/hr)		1531			1531
transportation time(kg/hr)		740			740
total time (kg/hr)		471			471
total time per km (kg/hr/km)		12			12
Collected amount ratio to average per:					
loading time(%)		100			100
traveling time(%)		100			100
total time(%)		100			100
total time per km (%)		100			100

**Monday,7-Dec,2009**

Vehicle no	KPB 307	KAM 019E	KAM 906Z	KWD 632	Average
Collected waste amount(ton)	4.16	n/a	6.04	12.85	7.683333333
Collected waste amount(kg)	4160	n/a	6040	12850	7683.333333
Mileage(km)	31.8	30.1	57	30.2	37.275
Loading time(mm)	365	403	191	342	325.25
Traveling time(mm)	260	246	240	166	228
Unloading time(mm)	125	3	101	48	69.25
Total time(mm)	750	652	532	556	622.5
Collected waste amount per:					
loading time(kg/hr)	684	n/a	1897	2254	1612
transportation time(kg/hr)	960	n/a	1510	4645	2372
total time (kg/hr)	333	n/a	681	1387	800
total time per km (kg/hr/km)	10	n/a	12	46	23
Collected amount ratio to average per:					
loading time(%)	42	n/a	118	140	100
traveling time(%)	40	n/a	64	196	100
total time(%)	42	n/a	85	173	100
total time per km (%)	46	n/a	52	202	100

**Tuesday,8-Dec,2009**

**Trip 1**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)	n/a	2.45		5.31	3.88
Collected waste amount(kg)	n/a	2450		5310	3880.00
Mileage(km)	31.8	47		37.5	38.77
Loading time(mm)	372	145		258	258.33
Traveling time(mm)	212	208		126	182.00
Unloading time(mm)	46	38		11	31.67
Total time(mm)	630	391		395	472.00
Collected waste amount per:					
loading time(kg/hr)	n/a	1014		1235	1124.34
transportation time(kg/hr)	n/a	707		2529	1617.65
total time (kg/hr)	n/a	376		807	591.27
total time per km (kg/hr/km)	n/a	8		22	14.75
Collected amount ratio to average per:					
loading time(%)	n/a	90		110	100
traveling time(%)	n/a	44		156	100
total time(%)	n/a	64		136	100
total time per km (%)	n/a	54		146	100

**Tuesday,8-Dec,2009**

**Trip 2**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				7.85	7.85
Collected waste amount(kg)				7850	7850.00
Mileage(km)				21.9	21.90
Loading time(mm)				97	97.00
Traveling time(mm)				158	158.00
Unloading time(mm)				3	3.00
Total time(mm)				258	258.00
Collected waste amount per:					
loading time(kg/hr)				4856	4855.67
transportation time(kg/hr)				2981	2981.01
total time (kg/hr)				1826	1825.58
total time per km (kg/hr/km)				83	83.36
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100



Wednesday,9-Dec,2009

trip 1

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)	n/a	5.36		5.36	5.36
Collected waste amount(kg)	n/a	5360		5360	5360.00
Mileage(km)	32.2	48		7.3	29.17
Loading time(mm)	340	272		13	208.33
Traveling time(mm)	223	171		36	143.33
Unloading time(mm)	56	145		8	69.67
Total time(mm)	619	588		57	421.33
Collected waste amount per:					
loading time(kg/hr)	n/a	1182		24738	12960.41
transportation time(kg/hr)	n/a	1881		8933	5407.02
total time (kg/hr)	n/a	547		5642	3094.52
total time per km (kg/hr/km)	n/a	11		773	392.14
Collected amount ratio to average per:					
loading time(%)	n/a	9		191	100
traveling time(%)	n/a	35		165	100
total time(%)	n/a	18		182	100
total time per km (%)	n/a	3		197	100

Wednesday,9-Dec,2009

trip 2

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				6.92	6.92
Collected waste amount(kg)				6920	6920.00
Mileage(km)				11.9	11.90
Loading time(mm)				26	26.00
Traveling time(mm)				61	61.00
Unloading time(mm)				8	8.00
Total time(mm)				95	95.00
Collected waste amount per:					
loading time(kg/hr)				15969	15969.23
transportation time(kg/hr)				6807	6806.56
total time (kg/hr)				4371	4370.53
total time per km (kg/hr/km)				367	367.27
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Wednesday,9-Dec,2009**  
**trip 3**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				6.86	6.86
Collected waste amount(kg)				6860	6860.00
Mileage(km)				17.2	17.20
Loading time(mm)				15	15.00
Traveling time(mm)				91	91.00
Unloading time(mm)				15	15.00
Total time(mm)				121	121.00
Collected waste amount per:					
loading time(kg/hr)				27440	27440.00
transportation time(kg/hr)				4523	4523.08
total time (kg/hr)				3402	3401.65
total time per km (kg/hr/km)				198	197.77
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Thursday,10-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)	n/a	5.41	9.31	7.66	7.46
Collected waste amount(kg)	n/a	5410	9310	7660	7460.00
Mileage(km)	29.8	42	62.6	37.1	42.88
Loading time(mm)	390	244	254	365	313.25
Traveling time(mm)	198	189	371	222	245.00
Unloading time(mm)	0	215	150	30	98.75
Total time(mm)	500	648	775	617	635.00
Collected waste amount per:					
loading time(kg/hr)	n/a	1330	2199	1259	1596.24
transportation time(kg/hr)	n/a	1717	1506	2070	1764.46
total time (kg/hr)	n/a	501	721	745	655.53
total time per km (kg/hr/km)	n/a	12	12	20	14.51
Collected amount ratio to average per:					
loading time(%)	n/a	83	138	79	100
traveling time(%)	n/a	97	85	117	100
total time(%)	n/a	76	110	114	100
total time per km (%)	n/a	82	79	138	100

**Friday,11-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)	n/a	6.42	11.85		9.14
Collected waste amount(kg)	n/a	6420	11850		9135.00
Mileage(km)	27.2	58	24.1		36.43
Loading time(mm)	358	276	248		294.00
Traveling time(mm)	314	182	254		250.00
Unloading time(mm)	0	109	94		67.67
Total time(mm)	672	567	596		611.67
Collected waste amount per:					
loading time(kg/hr)	n/a	1396	2867		2131.29
transportation time(kg/hr)	n/a	2116	2799		2457.85
total time (kg/hr)	n/a	679	1193		936.16
total time per km (kg/hr/km)	n/a	12	50		30.61
Collected amount ratio to average per:					
loading time(%)	n/a	65	135		100
traveling time(%)	n/a	86	114		100
total time(%)	n/a	73	127		100
total time per km (%)	n/a	38	162		100

**Saturday,12-Dec,2009**

**trip 1**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)	n/a		8.49	6.51	7.50
Collected waste amount(kg)	n/a		8490	6510	7500.00
Mileage(km)	44.3		101.9	16.8	54.33
Loading time(mm)	100		266	17	127.67
Traveling time(mm)	136		271	130	179.00
Unloading time(mm)	49		147	3	66.33
Total time(mm)	285		684	150	373.00
Collected waste amount per:					
loading time(kg/hr)	n/a		1915	22976	12445.75
transportation time(kg/hr)	n/a		1880	3005	2442.16
total time (kg/hr)	n/a		745	2604	1674.37
total time per km (kg/hr/km)	n/a		7	155	81.15
Collected amount ratio to average per:					
loading time(%)	n/a		15	185	100
traveling time(%)	n/a		77	123	100
total time(%)	n/a		44	156	100
total time per km (%)	n/a		9	191	100

**Saturday,12-Dec,2009**  
**trip 2**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				6.78	6.78
Collected waste amount(kg)				6780	6780.00
Mileage(km)				34.7	34.70
Loading time(mm)				40	40.00
Traveling time(mm)				195	195.00
Unloading time(mm)				5	5.00
Total time(mm)				240	240.00
Collected waste amount per:					
loading time(kg/hr)				10170	10170.00
transportation time(kg/hr)				2086	2086.15
total time (kg/hr)				1695	1695.00
total time per km (kg/hr/km)				49	48.85
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Sunday,13-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)		6.32			6.32
Collected waste amount(kg)		6320			6320.00
Mileage(km)		53			53.00
Loading time(mm)		179			179.00
Traveling time(mm)		142			142.00
Unloading time(mm)		82			82.00
Total time(mm)		403			403.00
Collected waste amount per:					
loading time(kg/hr)		2118			2118.44
transportation time(kg/hr)		2670			2670.42
total time (kg/hr)		941			940.94
total time per km (kg/hr/km)		18			17.75
Collected amount ratio to average per:					
loading time(%)		100			100
traveling time(%)		100			100
total time(%)		100			100
total time per km (%)		100			100

**Monday,14-Dec,2009**  
**trip 1**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				7.19	7.19
Collected waste amount(kg)				7190	7190.00
Mileage(km)				10.2	10.20
Loading time(mm)				34	34.00
Traveling time(mm)				73	73.00
Unloading time(mm)				2	2.00
Total time(mm)				109	109.00
Collected waste amount per:					
loading time(kg/hr)				12688	12688.24
transportation time(kg/hr)				5910	5909.59
total time (kg/hr)				3958	3957.80
total time per km (kg/hr/km)				388	388.02
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Monday,14-Dec,2009**  
**trip 2**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				7.22	7.22
Collected waste amount(kg)				7220	7220.00
Mileage(km)				15.4	15.40
Loading time(mm)				47	47.00
Traveling time(mm)				82	82.00
Unloading time(mm)				5	5.00
Total time(mm)				134	134.00
Collected waste amount per:					
loading time(kg/hr)				9217	9217.02
transportation time(kg/hr)				5283	5282.93
total time (kg/hr)				3233	3232.84
total time per km (kg/hr/km)				210	209.92
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Monday,14-Dec,2009**  
**trip 3**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				7.33	7.33
Collected waste amount(kg)				7330	7330.00
Mileage(km)				13.8	13.80
Loading time(mm)				27	27.00
Traveling time(mm)				147	147.00
Unloading time(mm)				9	9.00
Total time(mm)				183	183.00
Collected waste amount per:					
loading time(kg/hr)				16289	16288.89
transportation time(kg/hr)				2992	2991.84
total time (kg/hr)				2403	2403.28
total time per km (kg/hr/km)				174	174.15
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Tuesday,15-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)				6.43	6.43
Collected waste amount(kg)				6430	6430.00
Mileage(km)				44.1	44.10
Loading time(mm)				325	325.00
Traveling time(mm)				168	168.00
Unloading time(mm)				4	4.00
Total time(mm)				497	497.00
Collected waste amount per:					
loading time(kg/hr)				1187	1187.08
transportation time(kg/hr)				2296	2296.43
total time (kg/hr)				776	776.26
total time per km (kg/hr/km)				18	17.60
Collected amount ratio to average per:					
loading time(%)				100	100
traveling time(%)				100	100
total time(%)				100	100
total time per km (%)				100	100

**Wednesday,16-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)			10.7		10.70
Collected waste amount(kg)			10700		10700.00
Mileage(km)			62.4		62.40
Loading time(mm)			204		204.00
Traveling time(mm)			377		377.00
Unloading time(mm)			138		138.00
Total time(mm)			719		719.00
Collected waste amount per:					
loading time(kg/hr)			3147		3147.06
transportation time(kg/hr)			1703		1702.92
total time (kg/hr)			893		892.91
total time per km (kg/hr/km)			14		14.31
Collected amount ratio to average per:					
loading time(%)			100		100
traveling time(%)			100		100
total time(%)			100		100
total time per km (%)			100		100

**Thursday,17-Dec,2009**

Vehicle no	KAM 019E	KAM 906Z	KWD 632	KAC 088J	Average
Collected waste amount(ton)			7.4		7.40
Collected waste amount(kg)			7400		7400.00
Mileage(km)			45.4		45.40
Loading time(mm)			164		164.00
Traveling time(mm)			378		378.00
Unloading time(mm)			126		126.00
Total time(mm)			668		668.00
Collected waste amount per:					
loading time(kg/hr)			2707		2707.32
transportation time(kg/hr)			1175		1174.60
total time (kg/hr)			665		664.67
total time per km (kg/hr/km)			15		14.64
Collected amount ratio to average per:					
loading time(%)			100		100
traveling time(%)			100		100
total time(%)			100		100
total time per km (%)			100		100

		<b>KAW 732Z</b>	<b>KAW 743Z</b>	<b>KPB 307</b>	<b>KAD 891J</b>	<b>KAM 019E</b>	<b>KAM 906Z</b>	<b>KWD 632</b>	<b>KAC 088J</b>	<b>Average</b>
	Collected waste amount(ton)	4.3	3.9	3.9	3.2	N/A	5.3	10.1	6.8	5.4
	Collected waste amount(kg)	4,301.7	3,920.0	3,932.5	3,245.0	N/A	5,333.3	10,100.0	6,785.0	5,373.9
	Mileage(km)	25.9	39.6	35.7	48.8	32.6	50.8	54.4	22.3	38.8
	Loading time(mm)	199.8	209.6	220.1	337.0	327.2	217.8	246.3	105.3	232.9
	Traveling time(mm)	112.7	159.6	245.9	250.2	221.5	188.7	302.8	124.1	200.7
	Unloading time(mm)	26.8	12.4	98.3	110.5	25.7	115.0	117.2	8.6	64.3
	Total time(mm)	339.3	381.6	564.3	697.7	559.7	521.5	666.3	238.0	496.0
	Collected waste amount per:									
	loading time(kg/hr)	1,291.6	1,122.0	1,071.9	577.7	N/A	1,469.0	2,460.1	3,864.9	1,693.9
	transportation time(kg/hr)	2,290.8	1,473.5	959.6	778.3	N/A	1,696.1	2,001.1	3,280.9	1,782.9
	total time (kg/hr)	760.6	616.3	418.2	279.1	N/A	613.6	909.5	1,710.5	758.2
	total time per km (kg/hr/km)	29.4	15.6	11.7	5.7	N/A	12.1	16.7	76.6	24.0
	Collected amount ratio to average per:									
	loading time(%)	76.2	66.2	63.3	34.1	N/A	86.7	145.2	228.2	100.0
	traveling time(%)	128.5	82.6	53.8	43.7	N/A	95.1	112.2	184.0	100.0
	total time(%)	100.3	81.3	55.1	36.8	N/A	80.9	119.9	225.6	100.0
	total time per km (%)	122.7	65.0	48.8	23.8	N/A	50.4	69.7	319.6	100.0

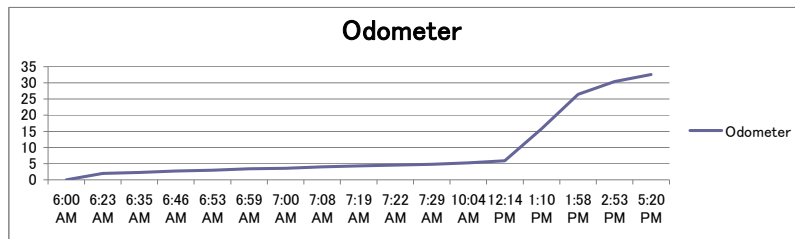


## (7) Records of Odometer

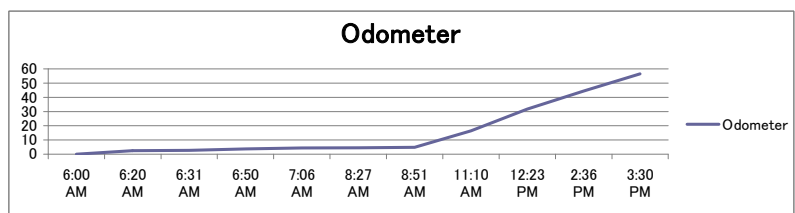
### 1) KAW 732Z

KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
Garage	6:00 AM	0
Crew Collection	6:23 AM	2
1st	6:35 AM	2.3
2nd	6:46 AM	2.7
3rd	6:53 AM	3
4th	6:59 AM	3.4
5th	7:00 AM	3.6
6th	7:08 AM	4
7th	7:19 AM	4.3
8th	7:22 AM	4.6
9th	7:29 AM	4.8
10th	10:04 AM	5.2
11th	12:14 PM	5.9
Dumpsite	1:10 PM	15.8
lunch break	1:58 PM	26.4
1st	2:53 PM	30.4
Garage	5:20 PM	32.6
Total		
KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
1st	6:00 AM	0
2nd	6:20 AM	2.6
3th	6:31 AM	2.7
4th	6:50 AM	3.8
5th	7:06 AM	4.4
6th	8:27 AM	4.6
7th	8:51 AM	4.8
Dumpsite	11:10 AM	16.4
1st	12:23 PM	31.8
Dumpsite	2:36 PM	44.5
Garage	3:30 PM	56.5
Total		
KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
Garage	5:59 AM	0
Fuel station	6:23 AM	2
1st	6:44 AM	3
2nd	6:47 AM	3.2
3rd	6:54 AM	3.5
4th	7:09 AM	3.7
5th	7:58 AM	3.9
6th	10:10 AM	4
7th	10:52 AM	4.1
8th	12:37 PM	4.4
Stalled	1:44 PM	5.1
Garage	5:29 PM	6
Total		

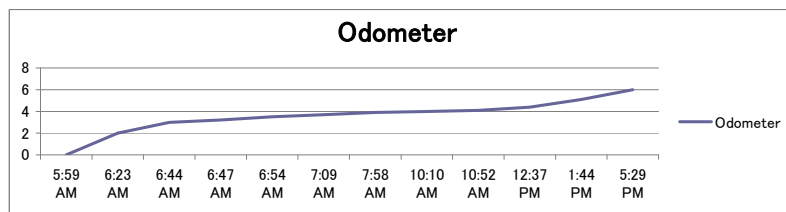
30-November,2009



1-December,2009

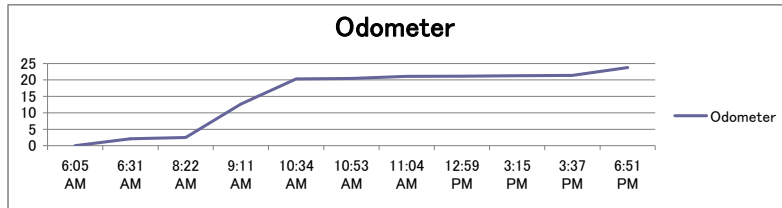


2-December,2009

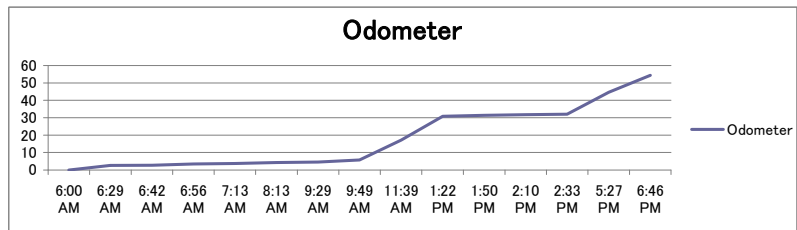


KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
Garage	6:05 AM	0
Crew Collection	6:31 AM	2.1
Gas station	8:22 AM	2.50
Dumpsite	9:11 AM	12.7
1st	10:34 AM	20.3
2nd	10:53 AM	20.5
3rd	11:04 AM	21.1
4th	12:59 PM	21.2
5th	3:15 PM	21.3
6th	3:37 PM	21.4
Garage	6:51 PM	23.8
Total		
KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
Garage	6:00 AM	0
1st	6:29 AM	2.6
2nd	6:42 AM	2.7
3rd	6:56 AM	3.5
4th	7:13 AM	3.7
5th	8:13 AM	4.3
Gas station	9:29 AM	4.6
6th	9:49 AM	5.8
Dumpsite	11:39 AM	17.1
1st	1:22 PM	30.9
2nd	1:50 PM	31.4
3rd	2:10 PM	31.8
4th	2:33 PM	32.1
Dumpsite	5:27 PM	44.6
Garage	6:46 PM	54.4
Total		
KAW 732Z		Track No 1
Location - Trip 1	Arrival Time	Odometer
Garage	6:08 AM	0
Crew Collection	6:29 AM	2.1
1st	6:47 AM	3.5
2nd	7:15 AM	4.4
3rd	7:48 AM	4.8
4th	9:24 AM	5.8
5th	9:43 AM	6.5
6th	10:01 AM	6.9
Dumpsite	12:51 PM	19.7
Garage	1:55 PM	31.5
Total		

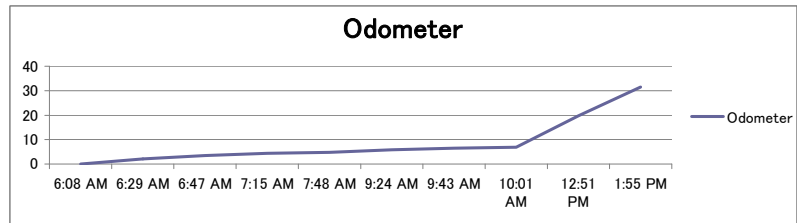
3-December,2009



4-December,2009



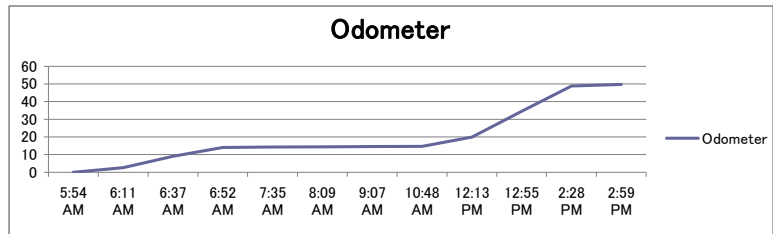
5-December,2009



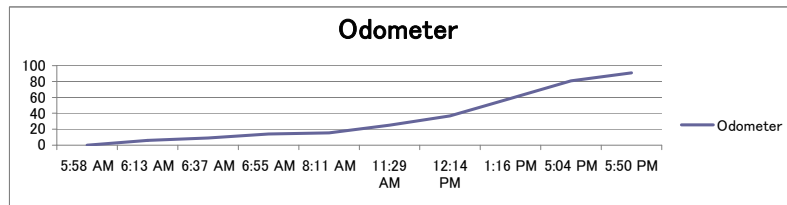
## 2) KAW 743Z

KAW 743Z		Truck no 2	
Location	Trip 1	Arrival Time	Odometer
Garage		5:54 AM	0
Crew			
Collection		6:11 AM	2.6
Supervisor			
collection		6:37 AM	9
1st		6:52 AM	14
2nd		7:35 AM	14.3
3th		8:09 AM	14.4
4th		9:07 AM	14.5
5th		10:48 AM	14.6
6th		12:13 PM	19.9
Dumpsite		12:55 PM	34.5
Gas station		2:28 PM	48.8
Garage		2:59 PM	49.7
Office		3:26 PM	55.2
KAW 743Z		Truck no 2	
Location	Trip 1	Arrival Time	Odometer
Garage		5:58 AM	0
Crew			
Collection		6:13 AM	6
Picking of			
supervisor		6:37 AM	9
1st		6:55 AM	14.1
2nd		8:11 AM	15.9
Collection of			
work ticket		11:29 AM	25
Dumpsite		12:14 PM	36.8
1st		1:16 PM	58.8
Dumpsite		5:04 PM	81
Garage		5:50 PM	91
Total			
Office		6:50 PM	99.1
KAW 743Z		Truck no 2	
Location	Trip 1	Arrival Time	Odometer
Garage		6:03 AM	0
Crew			
Collection		6:18 AM	2.5
1st		6:56 AM	7.4
2nd		7:37 AM	16.2
3th		9:51 AM	19
4th		12:22 PM	24.4
Gas station		1:14 PM	29.6
Garage		5:29 PM	32.6
Total			
Office		6:14 PM	40.7

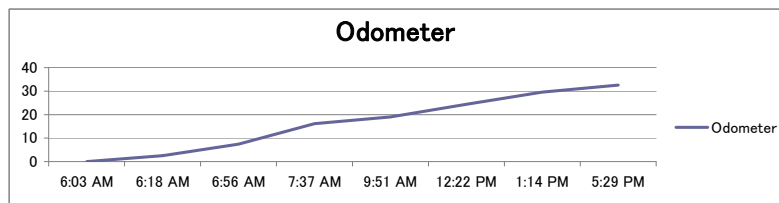
30-November,2009



1-December,2009

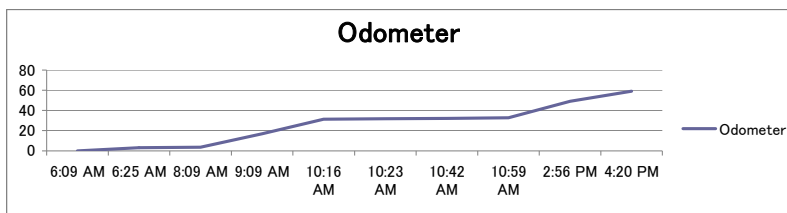


2-December,2009

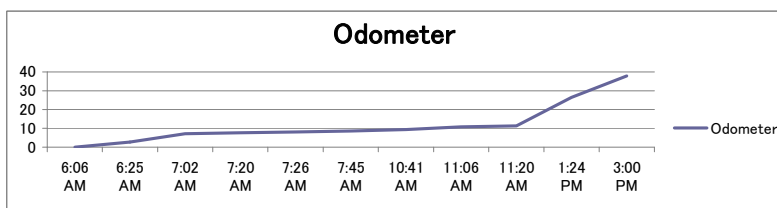


KAW 7432	Truck no 2	
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:09 AM	0
Crew		
Collection	6:25 AM	3.1
Gas station	8:09 AM	3.6
Dumpsite	9:09 AM	16.9
1st	10:16 AM	31.4
2nd	10:23 AM	31.7
3rd	10:42 AM	32.1
4th	10:59 AM	32.7
Dumpsite	2:56 PM	49.1
Garage	4:20 PM	59.1
Office	5:10 PM	60.7
KAW 7432	Truck no 2	
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:06 AM	0
Crew		
Collection	6:25 AM	2.7
Supervisor collection	7:02 AM	7.1
1st	7:20 AM	7.6
2nd	7:26 AM	8.1
3th	7:45 AM	8.6
4th	10:41 AM	9.3
5th	11:06 AM	10.7
6th	11:20 AM	11.3
Dumpsite	1:24 PM	26.5
Parking/		
Garage	3:00 PM	37.8
Office	3:58 PM	44.6
KAW 7432	Truck no 2	
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:14 AM	0
Crew		
Collection	6:37 AM	2.7
Gas station	8:06 AM	3.3
Supervisor collection	8:42 AM	7.8
1st	9:07 AM	15.5
Dumpsite	12:19 PM	38
1st	1:59 PM	50.7
2nd	2:33 PM	52.4
3th	2:38 PM	53
4th	2:43 PM	53.8
5th	2:54 PM	54.1
6th	3:13 PM	54.7
Dumpsite	4:49 PM	69
Garage	5:34 PM	78.9
Office	5:57 PM	84.5

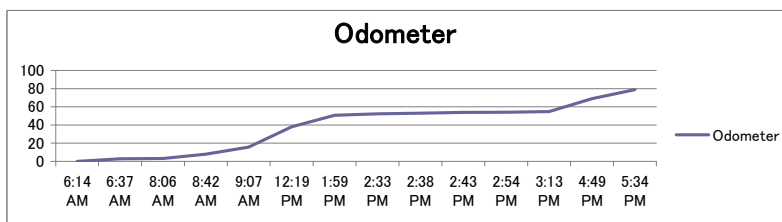
3-December,2009



4-December,2009



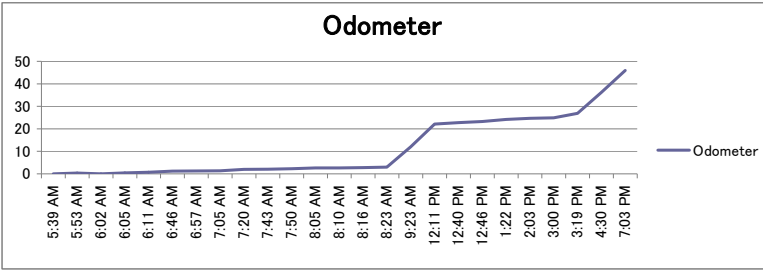
5-December,2009



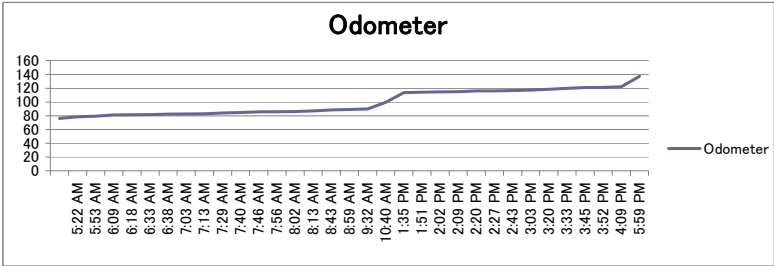
3) KPB 303

KPB 303	Truck no 3	
Location	Arrival	Odometer
Trip 1	Time	
Garage	5:39 AM	0
1st	5:53 AM	0.3
2nd	6:02 AM	0.035
3rd	6:05 AM	0.4
4th	6:11 AM	0.7
5th	6:46 AM	1.2
6h	6:57 AM	1.3
7th	7:05 AM	1.35
8th	7:20 AM	1.9
9th	7:43 AM	2
10th	7:50 AM	2.3
11th	8:05 AM	2.6
12th	8:10 AM	2.6
13th	8:16 AM	2.8
14th	8:23 AM	2.9
Dumpsite	9:23 AM	12
1st	12:11 PM	22.1
2nd	12:40 PM	22.8
3rd	12:46 PM	23.3
4th	1:22 PM	24.2
5th	2:03 PM	24.7
6h	3:00 PM	24.9
7th	3:19 PM	26.9
Dumpsite	4:30 PM	36.2
Garage	7:03 PM	46
KPB 303	Truck no 3	
Location	Arrival	Odometer
Trip 1	Time	
garage		75.9
1st	5:22 AM	78.5
2nd	5:53 AM	79.2
3rd	6:09 AM	81.2
4th	6:18 AM	81.4
5th	6:33 AM	81.9
6th	6:38 AM	82.4
7th	7:03 AM	82.5
8th	7:13 AM	82.9
Gas station	7:29 AM	83.9
9th	7:40 AM	84.9
10th	7:46 AM	85.5
11th	7:56 AM	86
12th	8:02 AM	86.2
13th	8:13 AM	87
14th	8:43 AM	88.3
15th	8:59 AM	89.2
16th	9:32 AM	89.7
Dumpsite	10:40 AM	99.6
1st	1:35 PM	113.6
2nd	1:51 PM	114.1
3rd	2:02 PM	114.7
4th	2:09 PM	114.9
5th	2:20 PM	116
6th	2:27 PM	116.1
7th	2:43 PM	116.7
8th	3:03 PM	117.2
9th	3:20 PM	118.5
10th	3:33 PM	120
11th	3:45 PM	121
12th	3:52 PM	121.4
13th	4:09 PM	122
Dumpsite	5:59 PM	137.2

30–November,2009



1–December,2009

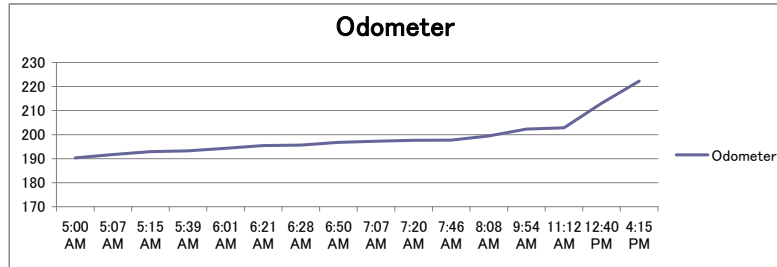


KPB 303	Truck no 3	
Location	Arrival	Odometer
Trin 1	Time	
Garage	10:22 AM	172.1

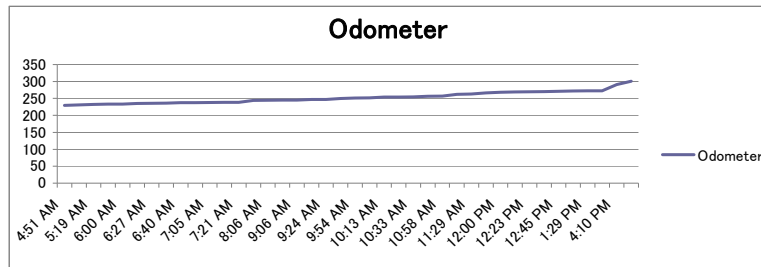
KPB 303	Truck no 3	
Location	Arrival	Odometer
Trin 1	Time	
Garage	5:00 AM	190.3
Gas station	5:07 AM	191.7
1st	5:15 AM	192.9
2nd	5:39 AM	193.2
3rd	6:01 AM	194.3
4th	6:21 AM	195.4
5th	6:28 AM	195.6
6th	6:50 AM	196.7
7th	7:07 AM	197.2
8th	7:20 AM	197.6
9th	7:46 AM	197.7
10th	8:08 AM	199.4
11th	9:54 AM	202.3
13th	11:12 AM	202.8
Dumpsite	12:40 PM	213
Garage	4:15 PM	222.3

KPB 303	Truck no 3	
Location	Arrival	Odometer
Trin 1	Time	
Garage	4:51 AM	229.4
Gas station	5:10 AM	230.8
1st	5:19 AM	232.5
2nd	5:41 AM	233.3
3rd	6:00 AM	233.6
4th	6:20 AM	235
5th	6:27 AM	235.8
6th	6:30 AM	236.1
7th	6:40 AM	237.2
8th	6:55 AM	237.3
9th	7:05 AM	237.9
Gas station	7:16 AM	238.4
10th	7:21 AM	238.6
11th	7:49 AM	243.9
12th	8:06 AM	244.8
13th	8:13 AM	245.1
14th	9:06 AM	245.1
15th	9:16 AM	246.8
16th	9:24 AM	247.1
17th	9:32 AM	249.8
18th	9:54 AM	251.6
19th	10:03 AM	252.1
20th	10:13 AM	254.2
21st	10:19 AM	254.4
22nd	10:33 AM	254.7
23rd	10:44 AM	256.1
24th	10:58 AM	256.9
25th	11:17 AM	261.7
26th	11:29 AM	263.1
27th	11:51 AM	266.2
28th	12:00 PM	267.8
29th	12:12 PM	269.4
30th	12:23 PM	269.5
31st	12:36 PM	270.2
32nd	12:45 PM	270.9
33rd	1:12 PM	271.9
34th	1:29 PM	272.5
35th	1:37 PM	272.8
Dumpsite	4:10 PM	290.9
Garage	7:30 PM	300.8
Total		

3-December,2009



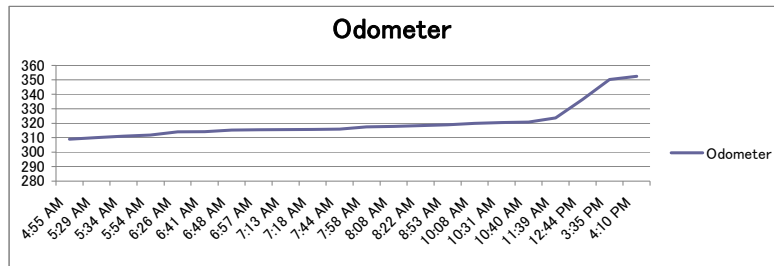
4-December,2009



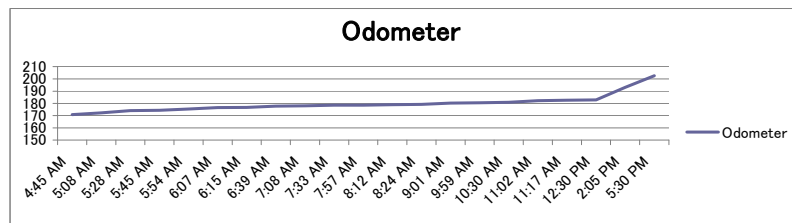
KPB 303	Truck no 3	
Location	Arrival	Odometer
Trin 1	Time	
Garage	4:55 AM	309
Service station	5:29 AM	310
1st	5:34 AM	311.1
2nd	5:54 AM	311.8
3rd	6:26 AM	314.1
4th	6:41 AM	314.2
5th	6:48 AM	315.2
6th	6:57 AM	315.5
7th	7:13 AM	315.6
8th	7:18 AM	315.8
9th	7:44 AM	315.9
10th	7:58 AM	317.5
11th	8:08 AM	317.8
12th	8:22 AM	318.4
13th	8:53 AM	318.9
14th	10:08 AM	319.9
15th	10:31 AM	320.4
16th	10:40 AM	320.9
17th	11:39 AM	323.7
Dumpsite	12:44 PM	336.4
Car wash	3:35 PM	350.2
20th	4:10 PM	352.4

KPB 303	Truck no 3	
Location	Arrival	Odometer
Trin 1	Time	
Garage	4:45 AM	170.8
Pop in service station	5:08 AM	172.2
1st	5:28 AM	174.1
2nd	5:45 AM	174.4
3rd	5:54 AM	175.4
4th	6:07 AM	176.6
5th	6:15 AM	176.7
6th	6:39 AM	177.8
7th	7:08 AM	178.1
8th	7:33 AM	178.5
9th	7:57 AM	178.6
10th	8:12 AM	179
11th	8:24 AM	179.2
12th	9:01 AM	180.3
13th	9:59 AM	180.5
14th	10:30 AM	180.9
15th	11:02 AM	182.3
16th	11:17 AM	182.6
17th	12:30 PM	182.8
18th	2:05 PM	193
19th	5:30 PM	202.6

5-December,2009

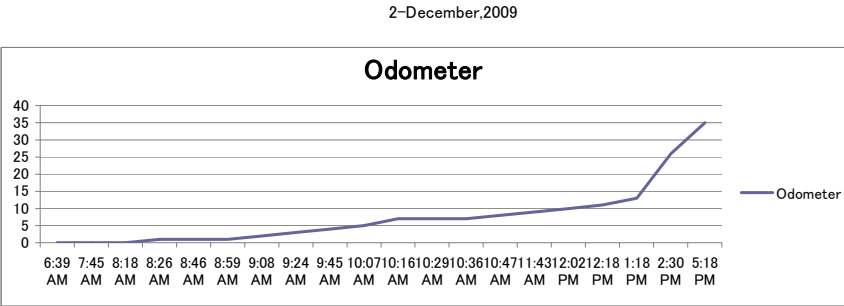
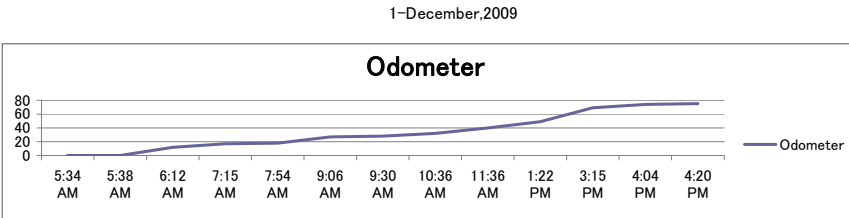
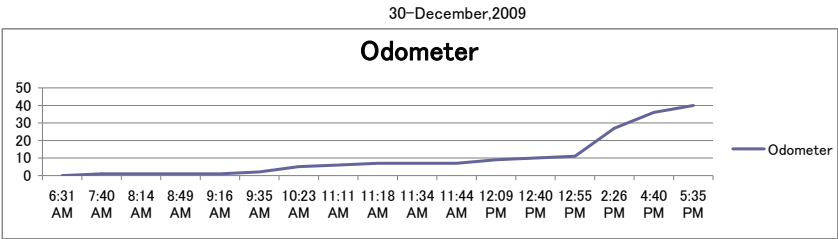


6-December,2009



4) KAD 891J

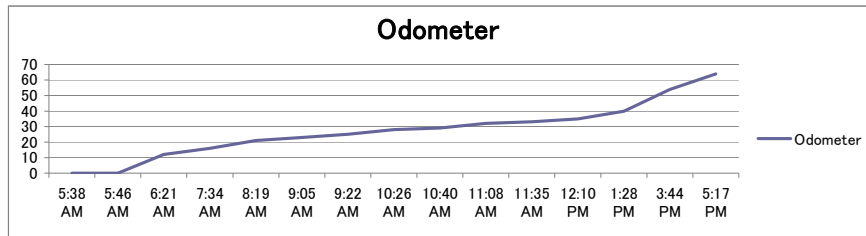
Truck no 4	
Arrival	Odometer
6:31 AM	0
7:40 AM	1
8:14 AM	1
8:49 AM	1
9:16 AM	1
9:35 AM	2
10:23 AM	5
11:11 AM	6
11:18 AM	7
11:34 AM	7
11:44 AM	7
12:09 PM	9
12:40 PM	10
12:55 PM	11
2:26 PM	27
4:40 PM	36
5:35 PM	40
7:48 PM	53
Truck no 4	
Arrival	Odometer
5:34 AM	0
5:38 AM	0
6:12 AM	12
7:15 AM	17
7:54 AM	18
9:06 AM	27
9:30 AM	28
10:36 AM	32
11:36 AM	40
1:22 PM	49
3:15 PM	69
4:04 PM	74
4:20 PM	75
5:11 PM	88
Truck no 4	
Arrival	Odometer
6:39 AM	0
7:45 AM	0
8:18 AM	0
8:26 AM	1
8:46 AM	1
8:59 AM	1
9:08 AM	2
9:24 AM	3
9:45 AM	4
10:07 AM	5
10:16 AM	7
10:29 AM	7
10:36 AM	7
10:47 AM	8
11:43 AM	9
12:02 PM	10
12:18 PM	11
1:18 PM	13
2:30 PM	26
5:18 PM	35
6:28 PM	50



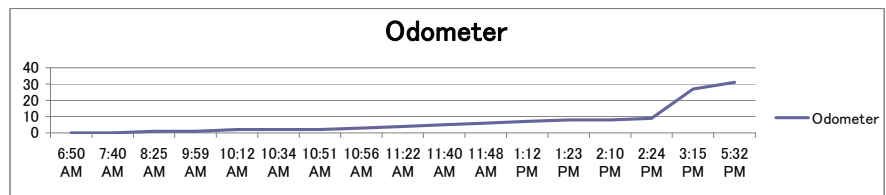


Truck no 4	
Arrival	Odometer
5:38 AM	0
5:46 AM	0
6:21 AM	12
7:34 AM	16
8:19 AM	21
9:05 AM	23
9:22 AM	25
10:26 AM	28
10:40 AM	29
11:08 AM	32
11:35 AM	33
12:10 PM	35
1:28 PM	40
3:44 PM	54
5:17 PM	64
8:29 PM	83
Truck no 4	
Arrival	Odometer
6:50 AM	0
7:40 AM	0
8:25 AM	1
9:59 AM	1
10:12 AM	2
10:34 AM	2
10:51 AM	2
10:56 AM	3
11:22 AM	4
11:40 AM	5
11:48 AM	6
1:12 PM	7
1:23 PM	8
2:10 PM	8
2:24 PM	9
3:15 PM	27
5:32 PM	31
7:24 PM	44
Truck no 4	
Arrival	Odometer
5:44 AM	0
6:03 AM	10
7:36 AM	15
9:55 AM	19
1:17 PM	24
1:21 PM	24
1:51 PM	28
2:58 PM	31
3:13 PM	32
3:50 PM	32
4:32 PM	37
5:13 PM	46
5:59 PM	59
8:00 PM	74
8:47 PM	87

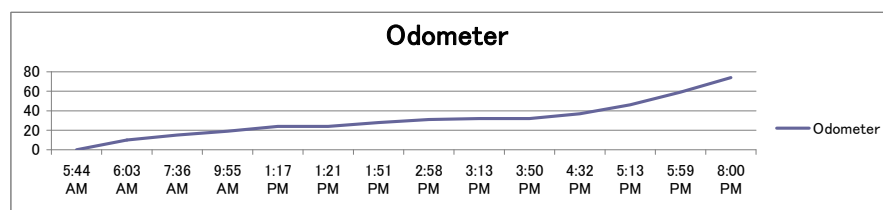
3-December,2009



4-December,2009



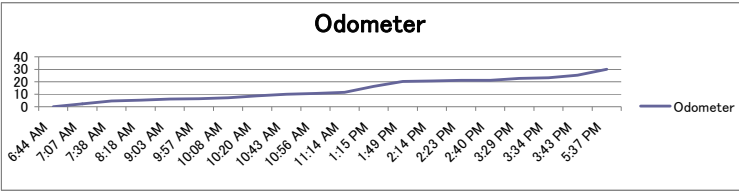
5-December,2009



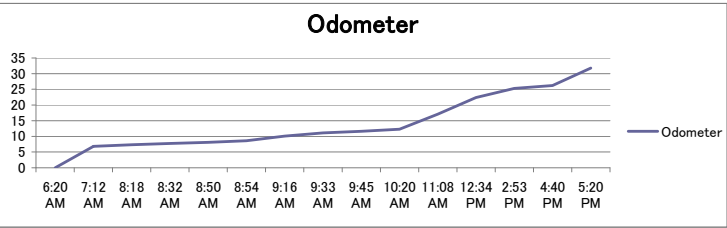
5) KAM 019Z

KAM 019 E Truck no 5		
Location - Trip 1	Arrival Time	Odometer
Garage	6:44 AM	0
1st	7:07 AM	2.3
2nd	7:38 AM	4.6
3rd	8:18 AM	5.2
4th	9:03 AM	6.1
5th	9:57 AM	6.4
6th	10:08 AM	7.1
7th	10:20 AM	8.7
8th	10:43 AM	9.9
9th	10:56 AM	10.7
10th	11:14 AM	11.5
Garage	1:15 PM	16.3
lunch break	1:49 PM	20.3
1st	2:14 PM	20.5
2nd	2:23 PM	21.1
3rd	2:40 PM	21.2
4th	3:29 PM	22.7
5th	3:34 PM	23.2
6th	3:43 PM	25.2
Garage	5:37 PM	30.1
KAM 019 E Truck no 5		
Location - Trip 1	Arrival Time	Odometer
Garage	6:20 AM	0
1st	7:12 AM	6.8
2nd	8:18 AM	7.3
3rd	8:32 AM	7.7
4th	8:50 AM	8.1
5th	8:54 AM	8.6
6th	9:16 AM	10.1
7th	9:33 AM	11.1
8th	9:45 AM	11.6
9th	10:20 AM	12.3
Garage	11:08 AM	17.1
1st	12:34 PM	22.4
2nd	2:53 PM	25.3
3rd	4:40 PM	26.2
Garage	5:20 PM	31.8
KAM 019 E Truck no 5		
Location - Trip 1	Arrival Time	Odometer
Garage	6:54 AM	0
1st	7:21 AM	3
2nd	7:52 AM	6.1
3rd	8:43 AM	7.8
4th	9:00 AM	8.2
5th	9:55 AM	11.3
6th	11:16 AM	11.4
7th	11:22 AM	11.5
8th	11:52 AM	11.9
9th	12:04 PM	12.6
10th	12:25 PM	13
Garage	1:24 PM	18
1st	2:46 PM	23
2nd	3:26 PM	24.8
3rd	3:31 PM	25.1
4th	4:14 PM	25.9
5th	4:24 PM	26.2
6th	4:30 PM	26.7
Garage	5:25 PM	32.2

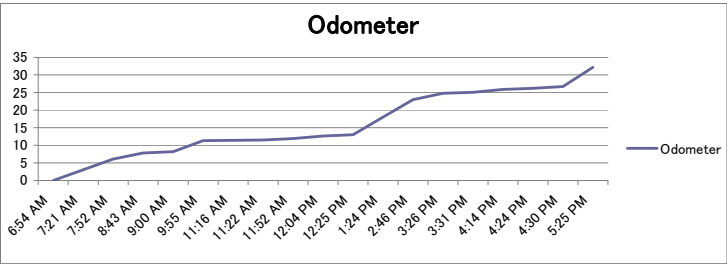
7-December,2009



8-December,2009



9-December,2009



# KAM 019 E Truck no 5

Location - Trip 1	Arrival Time	Odometer
Garage	6:20 AM	0
1st	6:56 AM	7.1
2nd	7:23 AM	8.5
3rd	8:05 AM	10
4th	8:46 AM	13.8
5th	9:56 AM	14.7
6th	10:02 AM	15.8
7th	10:15 AM	17.2
8th	10:38 AM	18
9th	11:05 AM	18.1
10th	11:16 AM	19.4
lunch break	11:46 AM	19.4
11th	12:09 PM	20.3
12th	12:30 PM	20.5
13th	12:41 PM	21.2
14th	12:51 PM	23.5
Garage	4:22 PM	29.8

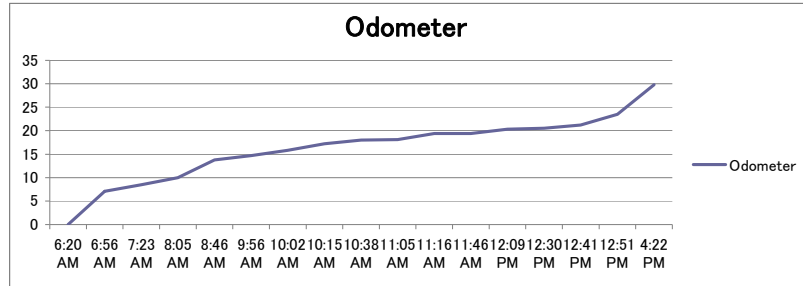
# KAM 019 E Truck no 5

	Arrival time	Odometer
Garage	6:38 AM	0
1st	6:53 AM	1.6
2nd	7:37 AM	4.8
3rd	8:18 AM	5.3
4th	8:59 AM	5.7
5th	9:07 AM	6.3
6th	9:22 AM	6.7
7th	10:36 AM	7.6
8th	10:42 AM	8.1
9th	10:47 AM	8.2
10th	11:17 AM	9.3
Garage	12:25 PM	14.2
1st	1:12 PM	19.1
2nd	1:48 PM	20.4
3rd	2:57 PM	21.8
4th	3:54 PM	22.3
5th	4:11 PM	23.6
Garage	5:51 PM	27.2

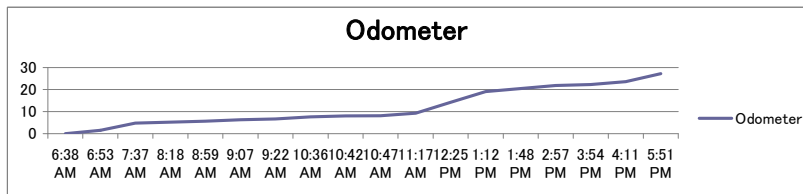
# KAM 019 E Truck no 5

Location - Trip 1	Arrival Time	Odometer
Garage	7:13 AM	0
1st	9:16 AM	23.6
2nd	11:16 AM	36.5
Garage	11:58 AM	44.3

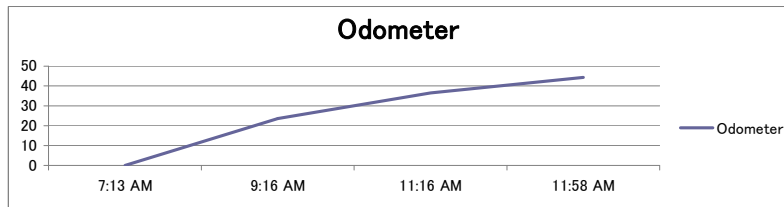
10-December,2009



11-December,2009



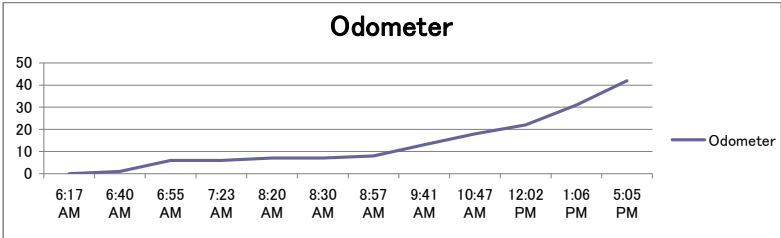
12-December,2009



6) KAM906Z

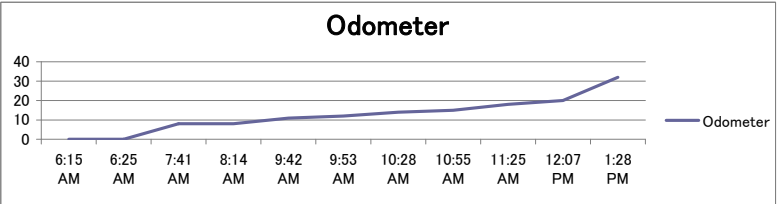
KAM 906Z Truck no 6		
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:17 AM	0
Gas station	6:40 AM	1
1st	6:55 AM	6
2nd	7:23 AM	6
3rd	8:20 AM	7
4th	8:30 AM	7
5th	8:57 AM	8
6th	9:41 AM	13
7th	10:47 AM	18
8th	12:02 PM	22
Dumpsite	1:06 PM	31
Garage	5:05 PM	42
Office	6:47 PM	63

10-December,2009



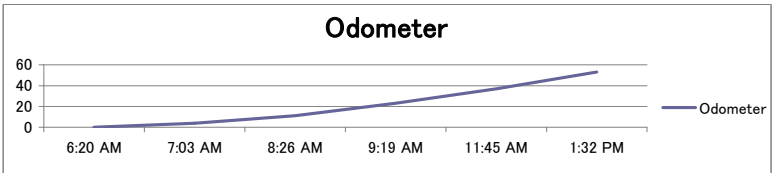
KAM 906Z Truck no 6		
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:15 AM	0
1st	6:25 AM	0
2nd	7:41 AM	8
3rd	8:14 AM	8
4th	9:42 AM	11
5th	9:53 AM	12
6th	10:28 AM	14
7th	10:55 AM	15
8th	11:25 AM	18
9th	12:07 PM	20
Dumpsite	1:28 PM	32
Garage	3:46 PM	58
Office	5:00 PM	77

11-December,2009



KAM 906Z Truck no 6		
Location	Arrival	
Trip 1	Time	Odometer
Garage	7:06 AM	0

13-December,2009

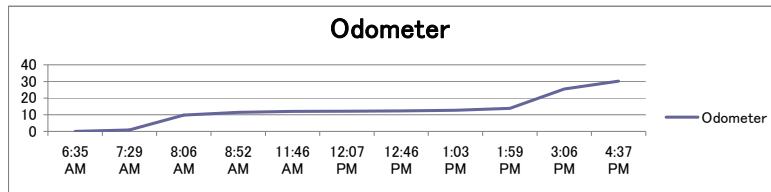


KAM 906Z Truck no 6		
Location	Arrival	
Trip 1	Time	Odometer
Garage	6:20 AM	0
1st	7:03 AM	4
2nd	8:26 AM	11
3rd	9:19 AM	23
Dumpsite	11:45 AM	37
Garage	1:32 PM	53
Office	2:13 PM	66

**KWD 632 Truck no 7**

Location Trip 1	Arrival Time	Odometer
Garage	6:35 AM	0
Supervisor Collection	7:29 AM	0.8
1st	8:06 AM	9.8
2nd	8:52 AM	11.4
3rd	11:46 AM	12
4th	12:07 PM	12.1
5th	12:46 PM	12.3
6th	1:03 PM	12.7
7th	1:59 PM	13.8
Dumpsite	3:06 PM	25.5
Garage	4:37 PM	30.2
Office	7:27 PM	42.5

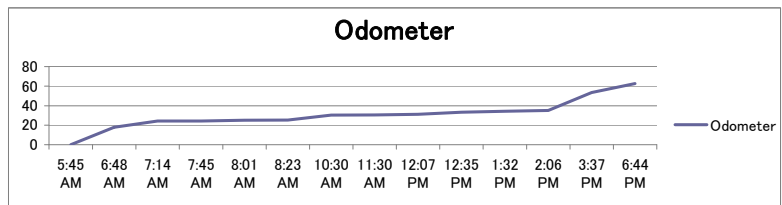
7-December,2009



**KWD 632 Truck no 7**

Location Trip 1	Arrival Time	Odometer
Garage	5:45 AM	0
1st	6:48 AM	18
2nd	7:14 AM	24.3
3rd	7:45 AM	24.4
4th	8:01 AM	25.2
5th	8:23 AM	25.4
6th	10:30 AM	30.3
7th	11:30 AM	30.6
8th	12:07 PM	31.2
9th	12:35 PM	33.3
10th	1:32 PM	34.2
11th	2:06 PM	35
Dumpsite	3:37 PM	53.6
Garage	6:44 PM	62.6
Office	8:10 PM	74.5

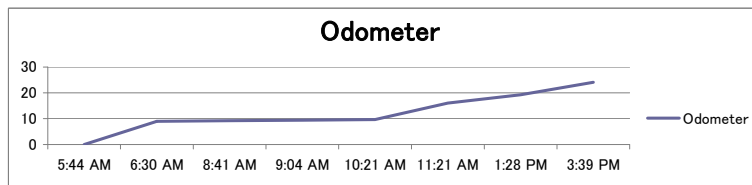
10-December,2009



**KWD 632 Truck no 7**

Location Trip 1	Arrival Time	Odometer
Garage	5:44 AM	0
1st	6:30 AM	9
2nd	8:41 AM	9.2
3rd	9:04 AM	9.4
4th	10:21 AM	9.6
5th	11:21 AM	16
Dumpsite	1:28 PM	19.3
Garage	3:39 PM	24.1
Office	4:44 PM	36.6

11-December,2009

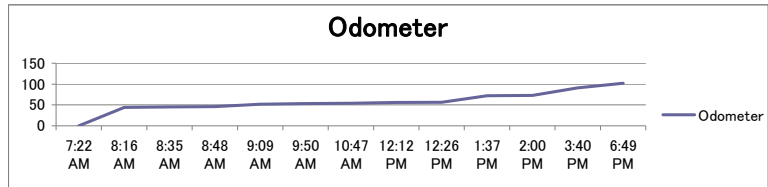


## 7) KWD 632

KWD 632 Truck no 7

Location Trip 1	Arrival Time	Odometer
Garage	7:22 AM	0
1st	8:16 AM	44
2nd	8:35 AM	45
3rd	8:48 AM	46
4th	9:09 AM	52
5th	9:50 AM	53.3
6th	10:47 AM	54.4
7th	12:12 PM	56.1
8th	12:26 PM	56.7
9th	1:37 PM	72.1
10th	2:00 PM	72.9
Dumpsite	3:40 PM	91
Garage	6:49 PM	101.9
Office	7:51 PM	114.5

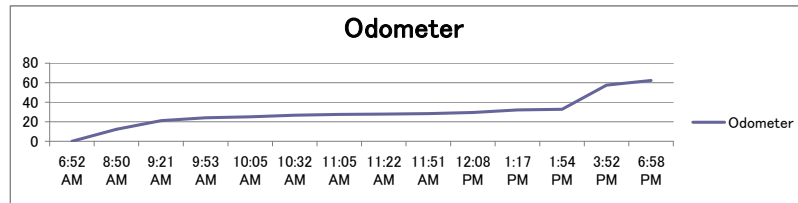
12-December,2009



KWD 632 Truck no 7

Location Trip 1	Arrival Time	Odometer
1st	6:52 AM	0
2nd	8:50 AM	12.4
3rd	9:21 AM	21.1
4th	9:53 AM	24.1
5th	10:05 AM	25
6th	10:32 AM	26.8
7th	11:05 AM	27.5
8th	11:22 AM	27.9
9th	11:51 AM	28.4
10th	12:08 PM	29.6
11th	1:17 PM	32.2
12th	1:54 PM	32.8
Dumpsite	3:52 PM	57.4
Garage	6:58 PM	62.4
Office	7:44 PM	73.2

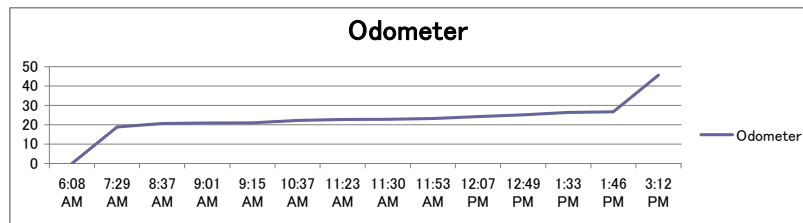
16-December,2009



KWD 632 Truck no 7

Location Trip 1	Arrival Time	Odometer
Garage	6:08 AM	0
1st	7:29 AM	18.8
2nd	8:37 AM	20.7
3rd	9:01 AM	20.9
4th	9:15 AM	21
5th	10:37 AM	22.3
6th	11:23 AM	22.7
7th	11:30 AM	22.8
8th	11:53 AM	23.2
9th	12:07 PM	24.2
10th	12:49 PM	25.1
11th	1:33 PM	26.4
12th	1:46 PM	26.7
Dumpsite	3:12 PM	45.6
Office	5:58 PM	58

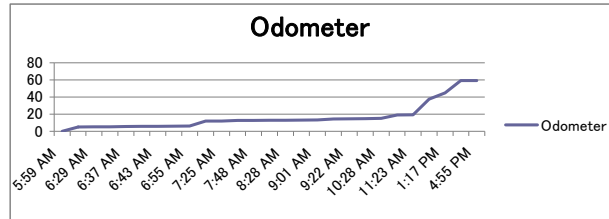
17-December,2009



## 8) KAC 088J

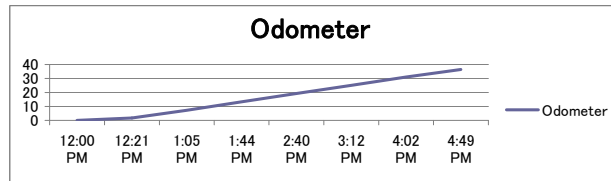
KAC 088J			Truck no 8	
Location	mileage		Arrival Time	Odometer
<b>Trip 1</b>				
Garage	209.2	0	5:59 AM	0
1st	214.4	5.2	6:23 AM	5.2
2nd	214.5	0.1	6:29 AM	5.3
3rd	214.6	0.1	6:35 AM	5.4
4th	214.7	0.1	6:37 AM	5.5
5th	214.9	0.2	6:39 AM	5.7
6th	214.9	0	6:43 AM	5.7
7th	215.2	0.3	6:48 AM	6
8th	215.4	0.2	6:55 AM	6.2
9th	221.2	5.8	7:06 AM	12
10th	221.3	0.1	7:25 AM	12.1
11th	221.8	0.5	7:39 AM	12.6
12th	221.9	0.1	7:48 AM	12.7
13th	222.1	0.2	7:58 AM	12.9
14th	222.2	0.1	8:28 AM	13
15th	222.4	0.2	8:50 AM	13.2
16th	222.5	0.1	9:01 AM	13.3
17th	223.7	1.2	9:14 AM	14.5
18th	223.9	0.2	9:22 AM	14.7
19th	224	0.1	9:29 AM	14.8
20th	224.3	0.3	10:28 AM	15.1
21st	228.3	4	11:01 AM	19.1
22nd	228.5	0.2	11:23 AM	19.3
Dumpsite	246.7	18.2	12:32 PM	37.5
1st	254	7.3	1:17 PM	44.8
Dumpsite	268.6	14.6	3:59 PM	59.4
Garage	268.6	0	4:55 PM	59.4

8-December,2009



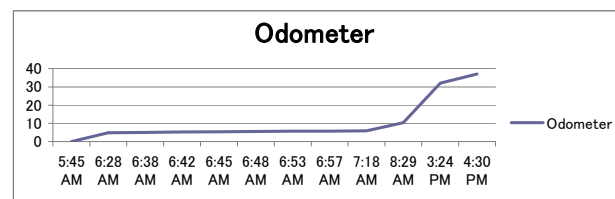
KAC 088J			Truck no 8	
Location	mileage		Arrival Time	Odometer
<b>Trip 1</b>				
Garage	276.1	0	12:00 PM	0
1st	277.7	1.6	12:21 PM	1.6
Dumpsite	283.4	5.7	1:05 PM	7.3
1st	289.3	5.9	1:44 PM	13.2
Dumpsite	295.3	6	2:40 PM	19.2
1st	301.2	5.9	3:12 PM	25.1
Dumpsite	307.2	6	4:02 PM	31.1
Garage	312.5	5.3	4:49 PM	36.4

9-December,2009

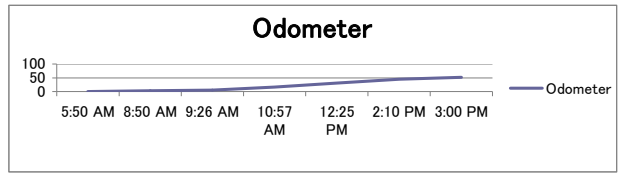


KAC 088J			Truck no 8	
Location	mileage		Arrival Time	Odometer
<b>Trip 1</b>				
Garage	325	0	5:45 AM	0
1st	329.8	4.8	6:28 AM	4.8
2nd	330	0.2	6:38 AM	5
3rd	330.2	0.2	6:42 AM	5.2
4th	330.3	0.1	6:45 AM	5.3
5th	330.5	0.2	6:48 AM	5.5
6th	330.6	0.1	6:53 AM	5.6
7th	330.6	0	6:57 AM	5.6
8th	330.9	0.3	7:18 AM	5.9
9th	335.3	4.4	8:29 AM	10.3
Dumpsite	357.1	21.8	3:24 PM	32.1
Garage	362.1	5	4:30 PM	37.1

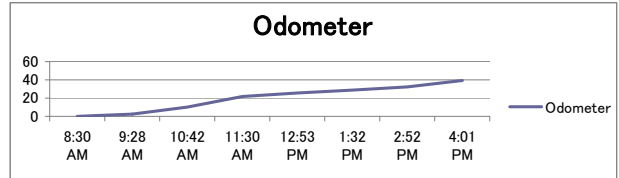
10-December,2009



KAC O88J			Truck no 8	
Location	mileage		Arrival Time	Odometer
Trin 1				
Garage	388.3	0	5:50 AM	0
1st	392	3.7	8:50 AM	3.7
2nd	393.9	1.9	9:26 AM	5.6
Dumpsite	405.1	11.2	10:57 AM	16.8
1st	419.5	14.4	12:25 PM	31.2
Dumpsite	432.9	13.4	2:10 PM	44.6
Garage	439.8	6.9	3:00 PM	51.5



KAC O88J			Truck no 8	
Location	mileage		Arrival Time	Odometer
Trin 1				
Garage	451.2	0	8:30 AM	0
1st	453.7	2.5	9:28 AM	2.5
Dumpsite	461.4	7.7	10:42 AM	10.2
1st	473	11.6	11:30 AM	21.8
Dumpsite	476.8	3.8	12:53 PM	25.6
1st	480	3.2	1:32 PM	28.8
Dumpsite	483.5	3.5	2:52 PM	32.3
Garage	490.6	7.1	4:01 PM	39.4



KAC O88J			Truck no 8	
Location	mileage		Arrival Time	Odometer
Trin 1				
Garage	501.1	0	5:50 AM	0
1st	506.1	5	6:38 AM	5
2nd	506.3	0.2	6:47 AM	5.2
3rd	506.4	0.1	6:51 AM	5.3
4th	506.6	0.2	6:53 AM	5.5
5th	506.7	0.1	6:56 AM	5.6
6th	506.8	0.1	6:59 AM	5.7
7th	507.1	0.3	7:05 AM	6
8th	507.3	0.2	7:14 AM	6.2
9th	513	5.7	7:29 AM	11.9
10th	513.2	0.2	8:10 AM	12.1
11th	513.5	0.3	8:27 AM	12.4
12th	513.8	0.3	8:34 AM	12.7
13th	513.9	0.1	8:56 AM	12.8
14th	514	0.1	9:19 AM	12.9
15th	514	0	9:57 AM	12.9
16th	514	0	10:04 AM	12.9
17th	514.3	0.3	10:50 AM	13.2
18th	514.4	0.1	11:06 AM	13.3
19th	514.9	0.5	11:22 AM	13.8
20th	515.3	0.4	11:39 AM	14.2
21st	515.5	0.2	11:57 AM	14.4
22nd	515.7	0.2	12:10 PM	14.6
Dumpsite	538.1	22.4	1:59 PM	37
Garage	545.2	7.1	2:40 PM	44.1

