

1. ITEM NUMBER UWM 17/09/24

2. SUBJECT

**URBAN WASTE MANAGEMENT PERFORMANCE MONITORING REPORT –
DISPOSAL BRANCH**

ONDERWERP

**VASTEAFVALBESTUUR – PRESTASIE MONITERINGSVERSLAG – WEGDOEN
TAK**

UMXHOLO

**ICANDELO LOLAWULO LWENKUNKUMA - INGXELO ENGOKUBEK'ILISO
YOLAWULO LWENKUNKUMA EDOLOPHINI – ISETYENA LEZONIKEZELO:**

Enter LSU Number Here

3. DELEGATED AUTHORITY

In terms of delegation

This report is for NOTING BY

- Committee name** : Urban Waste Management
- The Executive Mayor together with the Mayoral Committee (MAYCO)
- Council

4. DISCUSSION

Disposal Branches

1. Vissershok Landfill Site

- Construction activities for cell development and progressive capping progress approximately 77%. The progress of the works are severely hampered by the inclement weather experienced in the region.
- Current effluent discharge volume of 180kl per day as approved by Water and Sanitation not sufficient.
- Recycling material stockpile at Vissershok North, a windblown litter and fire risk.
- Morris Crane progress with auctioning repairs.
- Construction activities has commenced by Haw & Inglis for the Berkshire Boulevard cutting through Vissershok South and Northern Sites.

2. Coastal Park Landfill

- All three weighbridges active and operating using single weighbridge system.
- The placement of pioneering waste layer at Cell 1B commenced as from 7 March 2024.
- All landfilling operations moved to Cell 1B area as from 8 April 2024.
- Contract in place for supply and delivery of geotextile, 38 rolls received, outstanding +- 50 rolls pending funding availability.
- Leachate lagoon level currently at high level, intermittent loss of pumping towards Cape Flats Wastewater encountered due to electrical spike issues encountered at new pump installations. Temporary pump still in place and operating on manual setting to lower levels.
- As of 01 August 2024, builder's rubble tariff implemented at Coastal Park, reduction in builder's rubble and clay received at the site anticipated.
- Informal housing established in the western buffer area of the landfill a concern and has an impact on the environmental compliance of the site.

2. Athlone Refuse Transfer Station

- Two compaction lines operational at the moment.
- One line in need of overall.
- Challenges exist with over demand leading to intermittent closure of the facility to clear waste from time to time. Waste is being received from CBD in evenings. Staff arrangement have been reviewed due to overtime limit and working emergency overtime to cover night shift work is currently our only option.
- Staggered shifts process development in progress.

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- Plant operations affected a bit due to promotions, current EPWP project on site to assist with staffing.
- **ARTS crane is operational.**
- Apron waste being hauled using open top containers and compaction vehicles due to ADC crane breakdowns experienced at Vissershok Landfill.

3. Bellville Refuse Transfer Station

- Adequate operational plant to be effective. Container breakdowns a concern, being addressed.
- One line operational. Other line experiencing challenges with PLC, card replaced and needs to be programmed.
- Site is challenged with 36/60 containers operational and ongoing repairs internally and externally under way. Experiencing damages to lock bar under the containers and currently investigation the route-cause of these damages.
- BRTS workshop has challenges with lack of tools, capital request was sent mid-year with no capital budget assigned to execute procurement.

4. Bellville Compost Plant

- Compost plant operations limited to composting clean material at this stage.
- Metal baler is being overhauled by service provider.
- The Bellville Waste Water Treatment works has indicated that they need to build a new inlet works and have requested that they get the current BCP building. This request is being reviewed by management but will have a major impact on planned compost plant.
- Plant maintenance spend will focus on keeping plant operational until a capital upgrade is possible. Cladding needs to be replaced on the building and await capital funds for EAM to execute.
- The facility has now received registration with norms and standards for composting.
- The facility received green-chipped material and clean organics to start composting on site. Currently busy with one windrow.

5. Kraaifontein Waste Management Facility

- MRF Tender Concluded. MOA in place. Tender is currently being challenged in court, commencement planned for 1 November 2024.
- Stockpile of old recyclables will be advertised for sale via RFQ for the third time. The stockpile poses fire risk, health risks and is degrading over time. Alderman Twigg indicated at PC that if the RFQ is unsuccessful the department to discuss the matter with CM to consider alternatives. Engaged Director: Waste Services on

way forward and asked that the RFQ be limited to Kraaifontein stockpile and re-advertise one last time.

- Challenges with crime and intimidation outside the facility. Budgets for LE appointments being secured. Consultation with LE to take place at Director level to resolve support matters.
- Drop off upgrade underway and temporary drop off on site, some complaints have been received, work should be completed by end August 2024. Some delays was experienced due to inclement weather.

6. Swartklip Refuse Transfer Station

- There is a interdict in place to prevent further settlement growth since 17 May 2021 and being enforced by Anti Land Invasion
- ED Urban Waste Management – meeting currently being secured. Waiting on availability. Possible feedback ready for the next PC. While in waiting further internal discussions have taken place and costing is being determined to determine budget.
- 3 compaction lines operational but 2 is in need of refurbishment and requires additional funds to execute works. Ongoing request made to finance and no increase on the budget provided for the facility.
- Crane is operational.
- Crane rail sagging: EAM assessed and we await a quote to repair and plan for shut down next financial year. Capital project engagements have taken place to consider allocation of the funds.
- Adequate operational plant for effective operation.
- Standby haulage contractor brought in to assist with open tops when challenges are experienced with cranes and plant shortages.

7. Coastal Park Materials Recovery Facility

- The Coastal Park MRF projected to get handover by October 2024.
- Recent storms have resulted in damage to doors and cladding on handed over section of the plant.
- Emergency repairs are being done, SCM approval granted to proceed using the contractor on site, confirmatory report will be done.
- Staffing plan the facility will include EPWP and skeleton staff as we commence and a request to create positions will be sent to

8. Faure

- Site operations in order.
- Some reports of theft have been received from site.
- Investigating fencing off the drop off- requires capital funds to execute.

9. Historic and closed sites

- Bellville - landfill rehabilitation proceeding well. Issues relating to conflict between landfill gas harvesting and construction being addressed by project manager.
- Sarepta - informal illegal structures noted and escalated to law enforcement for removal in order to prevent informality growth.
- Tableview – DEADP engaged to guide on activities on privately owned section of the site.
- Witsand – remedial earthworks completed and effective in redirecting the stream.

Facilities	Waste Disposed		Waste Cartage		Type of facility
Landfill Sites					
VHK	Over weighbridge				Landfill site receives containerised waste from Transfer Stations – Athlone, Bellville, Kraaifontein & Swartklip and drop off site
	General Waste	13035.82 tons	Green waste only	302.98 tons	
	Special Waste	1427.40 tons			
	Builder's rubble	15729.70 tons			
	Green Waste	295.76 tons			
	Total incoming	30488.68 tons			
CPLF	Over weighbridge				Landfill and drop off site receives builders rubble from Swartklip
	General Waste	45568.20 tons	Green Waste only	542.60 tons	
	Builder's rubble	25918.41 tons			
	Green Waste	250.84 tons			
	Total incoming	71737.45 tons			
	Refuse Transfer Stations				
KWMF	Over weighbridge		Transfer off site		Transfer station, MRF and drop off
	General Waste	8892.52 tons	General waste VHK	9332.66 tons	
	Green waste	59.14 tons	Builder's rubble VHK	997.62 tons	
	Recyclables	1647.48 tons	Chipped green waste	2153.76 tons	
			Recyclables sorted	899.66 tons	
ARTS	Over weighbridge		Transfer off site		Transfer station and drop off site
	General Waste	12940.19 tons	General waste VHK	11935.00 tons	
			Builder's rubble VHK	352.69 tons	
			Chipped green waste	385.34 tons	
			Recovered waste	11.28 tons	
SRTS	Over weighbridge		Transfer off site		Transfer station and drop off site
	General Waste	7763.18 tons	General waste	7876.08 tons	
			Green Waste	53.88 tons	
			Builders rubble	373.08 tons	
BRTS	Over weighbridge		Transfer off site		Transfer station and drop off site
	General Waste	8013.95 tons	General Waste	7700.12 tons	
			Chipped Green Waste	158.74 tons	
			Builders Rubble	301.74 tons	
<div style="display: flex; justify-content: space-between;"> Management Report - Disposal Branch Making progress, possible together. </div>					
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Matters currently requiring attention

General operations

Ongoing challenges in Collections is affecting site operations. KWMMF, ARTS and Swartklip, being requested to stay open late frequently. Emergency work for disposal, includes ensuring availability of the facility when collections and cleansing colleagues need to service public.

The ARTS apron capacity is still greatly limited due to unavailable train services. **City needs to get rail cleared and capital spend is required to replace old container fleet. Operations was reviewed to reduce overtime where possible and when assistance is needed to ensure service delivery the overtime in excess will be classified as emergency.**

Disposal operational hours and logistics

Night train / haulage: Ongoing with staff shortages and crane breakdown at Vissershok has made it difficult to implement. Staggered shifts and additional resources are required to make this a permanent arrangement. **Require HR assistance and budget for positions to implement changes.**

Risks

Coastal Park

Risk Mitigation measure

- Informal housing established in the western buffer area of the landfill still a concern and has an impact on the environmental compliance of the site and nature reserve area.
- Inter CCT Directorate discussions still ongoing on way forward to resolve the issue.

Swartklip

- Informal settlement is stable and being monitored by Anti Land Invasion under interdict. Ongoing action being taken against new invasions.
- Internal discussions have resumed on the evictions.

Risk Mitigation Measure

- Heavy Concrete fence installed and interdict in place to prevent further structures. Anti-land invasion monitoring settlement and ED to engage ED human settlements for the relocation and evictions process.
- LE will be engaged closer to the time of evictions.

KraaifonteinRisk Mitigation Measure

- In discussions with formal SLA for law enforcement at UWM facilities. To be finalised. Requires budget to recruit LE officers to give effect to the proposed SLA. Management to sign off SLA with Law Enforcement.
- Installation of Heavy Concrete fence on site complete.

Other Risks Identified**Ongoing challenges with racketeering and intimidation of people in red zones.**

In the past few months experienced challenges with hijacking in high risk areas. Reports have been received of intimidation when fence lines need to be installed at Bellville Landfill Site and threats or letters of demand from communities around landfill sites.

Leachate Management and Winter Season

Visssershok Landfill

The risk is that during the winter period, storm water ingress into the landfill coupled with run off may cause leachate ponds to overflow and lead to environment damage and pollution of water ways. This challenge required urgent intervention to agree on an intervention to ensure this is avoided at all cost. It is recommended a pipeline to the nearest disposal point (Sewer) be installed with a metered outlet to record discharge volumes. This will save on tankering costs, allow for dilution upstream and assist water to cater for the daily discharge of leachate to the plant.

Socio Economic challenges in surround communities

While there is growing un-employment, waste is seen as an opportunity to recover waste and generate income through the sale of the waste. Urban Waste contracts with service providers

for the recovery and recycling of waste from disposal facilities through an income tender. This drop off tender specifies that service providers must employ local labour for operations.

There is ongoing pressure from communities to gain access to waste and this creates a volatile environment in and outside disposal facilities and drop off sites. LE is therefore essential to keep control of the situation and protect capital infrastructure. It is also critical that social development investigate the challenges of communities and seek to provide some form of support to the communities and to create an environment for waste entrepreneurs to thrive.

We recently received complaints from local community leaders in community surrounding Coastal Park MRF and challenges with salvagers scaling fences and people loitering outside our drop off facilities.

Compliance of sites: - overall compliance from external compliance audits

Environmental Compliance (%) 2023 and 2024

Site	External compliance rating (%) Oct 2023	External compliance rating (%) Feb 2024	External compliance rating (%) May 2024
Athlone RTS	97.14	-	-
Atlantis LS	-	-	98.85%
Bellville LS	-	-	82.87%
Bellville WMF	93.72	87.73	-
Brackenfell LS	-	-	92.50%
Coastal Park LS	90.02	90.91	89.32%
Faure LS	-	-	89.32%
Fish Hoek LS	-	-	95.69%
Gordon's Bay	91.74	95.39	-
Kraaifontein IWMF	90.07	-	-
Kraaifontein LS	-	-	91.11%
Macassar LS	-	-	80.97%
Mamre LS	-	-	87.50%
Noordhoek LS	-	-	99.50%
Ocean View LS	-	-	91.19%
Radnor LS	-	-	93.33%
Sarepta LS	-	-	96.00%
Simons Town LS	-	-	96.21%
Strand LS	-	-	96.25%

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Strandfontein Berm LS	-	-	100.00%
Swartklip LS	-	-	93.43%
Swartklip RTS	94.67	-	-
Table View LS	-	-	-
Vissershok North LS	83.69	91.29	90.71%
Vissershok South LS	83.78	91.93	90.27%
Waterkloof LS	-	-	92.33%
Witsand LS	-	-	-

SCM Matters

Tender 241S/2022/23 Staff Transport tender, Awarded, Contract loaded and ready for use 1 July 2024. - PM/CM Ebrahim Mohamed.

New Tender 68S/2023/24 Kraaifontein MRF tender process underway, Negotiations concluded, BAC for final award to follow. Awarded 29 April 2024, one appeal has been received, Appeal dismissed, Agreement loaded not released planned commencement is 1 November 2024 – PM/CM Ebrahim Mohamed

DP7398S/2022/23 Existing Kraaifontein MRF interim contract expiry was 20 November 2023. Expansion was approved for 12 month, month to month until 30th November 2024. Notice was served on the service provider to vacate by end October 2024. Legal request was sent as the service provider is challenging the notice letter sent and challenging the award in court. CM Ebrahim Mohamed.

172S/2023/24 – Weighbridge Maintenance tender, BAC stage- PM Ebrahim Mohamed

Tender 243S/2023/2

City Wide Movement of Containerised Waste and Household Hazardous Waste. Advertisement stage, closed on 31 May 2024. Evaluation in progress. PM Adiel de Bruyn, CM Ebrahim Mohamed

DP8059S- Chipping tender- Advertising closed 31 May 2024. BEC stage. PM Lanese Hesselmen, Ebrahim Mohamed (BSC Chair).

119S/2023/24- Plant Maintenance Tender- BAC Stage. Preferred Bidder Stage. Ebrahim Mohamed (PM/CM)

RFQ for sale of recyclables- Document and request sent to SCM. Advertise for Will be advertised Third and last time and make market aware of the RFQ for the sale of recyclables at Kraaifontein only.

DP 8161 Container Repair tender-BSC Stage. Ebrahim Mohamed (PM/CM)

294s/2023/24 Coastal Park MRF tender- Advertising stage. Ebrahim Mohamed (PM/CM).

DP7711C/2023/24 - 265C/2023/24 – Landfill gas and air quality monitoring at landfill sites and waste transfer facilities – BEC 1 scheduled for 12 August 2024. (T Luyt)

DP7824C/2022/23 – 291C/2023/24 - Integrity management of groundwater infrastructure, water sampling and analytical results and interpretation of analytical results at waste management facilities – BEC 1 scheduled for 14 August 2024. (T Luyt)

DP8156S/2023/24 – 292S/2023/24 – Topographical surveys, airspace monitoring and slope stability assessments – BEC 1 held on 6 August 2024. BAC cancellation report to be compiled and submitted to SCM by 26 August 2024. Thereafter new DP to be obtained and new BIF and tender specifications to be drafted. (T Luyt) (New BIF and tender specifications to be handed over to W Galvaan)

DP7820/2022/23 -Provision of Professional Services: External Environmental Compliance Audits at Waste Management Facilities – BEC 2 scheduled for 12 August 2024. (T Luyt)

DP8378-23-24- 293G/2023/24 Supply and delivery of Glycerol and other chemicals to disposal facilities; BSC concluded, tender document finalised and approved to advertise, advert closed on 29 July 2024. 1st BEC scheduled for 20 August 2024. Adiel De Bruyn (PM)



Financial Implications None Opex Capex
 Capex: New Projects
 Capex: Existing projects requiring additional funding
 Capex: Existing projects with no Additional funding requirements

Policy and Strategy Yes No

Legislative Vetting Yes No

Legal Implications Yes No

Staff Implications Yes No

Risk Implications Yes No

POPIA Compliance Yes It is confirmed that this report has been checked and considered for POPIA compliance.

5. RECOMMENDATIONS

It is recommended that the performance monitoring report BE NOTED.

AANBEVELING

Daar word aanbeveel dat daar KENNIS GENEEM WORD van die prestasie moniterings verslag.

IZINDULULO

Kundululwe ukuba MAKUQWALASELWE ingxelo engokubek'iliso kwindlela yokusebenza.

ANNEXURES

NONE

FOR FURTHER DETAILS CONTACT

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DIRECTORATE	Urban Waste Management	FILE REF NO	
SIGNATURE : DIRECTOR	<div style="border: 1px solid black; width: 200px; height: 40px;"></div>		

EXECUTIVE DIRECTOR

NAME

COMMENT:

DATE

SIGNATURE

LEGAL COMPLIANCE

REPORT COMPLIANT WITH THE PROVISIONS OF COUNCIL'S DELEGATIONS, POLICIES, BY-LAWS AND ALL LEGISLATION RELATING TO THE MATTER UNDER CONSIDERATION.

NON-COMPLIANT

NAME

COMMENT:

DATE

SIGNATURE

Approval Form

Supported for inclusion on the agenda



Disposal Performance and Monitoring Report

Report Reference: 526472
Meeting: Section 79 Portfolio Committee - Urban Waste Management
Meeting Date: 02.09.2024
Meeting Venue: Council Chamber

Contact Person: MARGOT LADOUCE
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Item	Section	Approver	Approval	Approved Date	Approver Comments
01	Author	LADOUCE MARGOT	Approved	21.08.2024 15:26:21	
02	Director/Directorate Support Manager/Chief	Rustim Keraan	Approved	23.08.2024 09:51:17	
03	Executive Director	Nonqaba Mayisela	Approved	26.08.2024 17:10:20	
04	Legal Compliance	John Laing Smale	Approved with Comments	27.08.2024 12:09:52	For information.
05	Chairperson	Brenda Hansen	Approved	29.08.2024 12:53:45	

ECS Officer: