

PRINCE ALBERT MUNICIPALITY: IWMP DRAFT IMPLEMENTATION PLAN

IWMP GOAL 1: PROMOTE, EDUCATE, AND RAISE AWARENESS WRT INTEGRATED WASTE MANAGEMENT

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
1.1 OBJECTIVE: Promote integrated waste management within communities, schools, businesses and other institutions within the municipality	1.1.1 Achieve education and awareness wrt Integrated Waste Management within schools	1.1.1.1 Implement waste education and awareness through the WAME programme (Waste Management Education and Schools)	X			DEADP/BWM	DEADP/PAM
		1.1.1.2 Conduct awareness sessions in collaboration with different stakeholders through public private partnerships (e.g. Nestle, Tiger brands, Woolworths). for the sponsering of the Pick a Piece primary school children <i>(DEADP to play a facilitating role between the Municipality and the Private Partnership)</i>	X	X	X	PAM/DEADP	Nestle, Tiger Brands,etc
	1.1.2 Achieve education and awareness wrt Integrated Waste Management within communities	1.1.2.1 Progressively establish and implement the blue bag system within all communities	X	X	X	PAM	DEA (youth jobs in waste programme)
		1.1.2.2 Develop awareness raising materials e.g. pamphlets, rates accounts, community newspapers for dissemination within communities and civic associations	X	X	X	PAM	DEA (youth jobs in waste programme)

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			2014 to 2019	2019 to 2024	2024 Onward		
	1.1.3 Achieve education and awareness wrt Integrated Waste Management within businesses	1.1.3.1 Develop awareness raising materials around integrated waste management for businesses 1.1.3.2 Conduct workshops with businesses around the creation of awareness and education in integrated waste management.	X	X		Community services/Industry	PAM / Industry
	1.1.4 Achieve education and awareness wrt Integrated Waste Management within other institutions e.g. health care facilities	1.1.4.1 Develop awareness raising materials around integrated waste management for hospitals and other institutions 1.1.4.2 Conduct workshops with all institutions around the creation of awareness and education in integrated waste management	X	X		Community services/ institutions/ sector departments (DOH, Correctional Services) (Central Karoo District Municipality) DEA	PAM / institutions/ sector departments (DOH, Correctional Services) (Central Karoo District Municipality) DEA

IWMP GOAL 2: IMPROVE WASTE INFORMATION MANAGEMENT

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
2.1 OBJECTIVE: Establish and Implement an accurate waste quantification system	2.1.1 All waste management facilities to have a waste quantification system in place	2.1.1.1 Train officials on the waste quantification system	X	X	X	DEADP/PAM	n/a
		2.1.1.2 Implement the waste calculator at their integrated waste management facilities	X			PAM	n/a
		2.1.1.3 Obtain funding to install weighbridges at all waste management	X	X	X	PAM	Secured funding from DEA for weighpads
		2.1.1.4 Obtain funding to calibrate weigh pads/weighbridges at all waste management <i>Delete activity, this should be included in the maintenance of the equipment)</i>	X	X	X	Community services	PAM
		2.1.1.5 Obtain weigh pads for their waste management facilities	X	X		PAM	DEA (youth jobs in waste programme)

IWMP GOAL 2: IMPROVE WASTE INFORMATION MANAGEMENT

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
	2.1.2 Monitor the movement of Hazardous Waste	2.1.2.3 Introduce a hazardous waste manifest system by targeting the priority hazardous waste streams (Firstly Identify possible sources of hazardous waste, because currently sources are not known, therefore no intervention can be made.	X	X	X	PAM/DEADP	PAM/DEADP

IWMP GOAL 4: PROMOTE WASTE MINIMISATION THROUGH THE RE-USE, RECYCLING AND RECOVERY OF WASTE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
4.1 OBJECTIVE: Mainstream source separation of waste within all	4.1.1 Promote and improve the blue bag system within the higher income areas	4.1.1.1 Identify willing households to participate in source separation	X	X	X	PAM	PAM DEA (youth jobs in waste programme)

IWMP GOAL 3: ENSURE THE EFFECTIVE AND EFFICIENT DELIVERY OF INTEGRATED WASTE MANAGEMENT SERVICES

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
3.1 OBJECTIVE: Capacitate waste managers in the public and private sectors with regard to the basic principles of sound waste management	3.1.1 All vacant posts in waste management are filled with properly qualified staff	3.1.1.1 Source and secure funding for the filling of posts	X	X	X	PAM	PAM
		3.1.1.2 Recruit properly qualified staff	X	X	X	PAM	PAM
	3.1.2 Ensure proper training of municipal officials in integrated waste management principles	3.1.2.1 Municipal officials to attend integrated waste management training sessions/courses	x	X		DEADP/ PAM	DEADP/ PAM
3.2 OBJECTIVE: Ensure that Integrated WM functions are executed in an environmentally and socially acceptable manner	3.2.1 Establish the current basic service levels within Prince Albert Municipality	3.2.1.2 Conduct an analysis of current waste management services and compare with best practices	X	X	X	PAM	PAM Possible assistance from DEA (youth jobs in waste programme)
	3.2.2 Upgrade and improve service levels in those municipal areas identified as sub standard	3.2.2.1 Implement integrated waste management services aligned to best practices	X	X	X	PAM	PAM
	3.2.2 Ensure the provision of adequate and reliable vehicles,	4.2.2.1 Source, upgrade and maintain all necessary vehicles, equipment and machinery	X	X	X	PAM	PAM

equipment and machinery

IWMP GOAL 4: PROMOTE WASTE MINIMISATION THROUGH THE RE-USE, RECYCLING AND RECOVERY OF WASTE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
areas in the municipality	4.1.2 Establish the blue bag system within the other income areas	4.1.2.1 Pilot source separation in lower to middle income areas	X	X	X	PAM	PAM DEA (youth jobs in waste programme)
4.2 OBJECTIVE: Formalise the recovery of recyclables, organics and builder's rubble	4.2.1 The establishment of a formalised program for the recovery of recyclables from waste disposal facilities	4.2.1.1 Create job opportunities in recovery and recycling for salvagers, away from the landfill, e.g. Expanded Public Works Programme (EPWP)	X	X	X	PAM	PAM
		4.2.1.2 Provide training and PPE to the EPWP workers for the recovery of recyclables once a material recovery facility is established		X		PAM/DEADP/DEA	PAM/DEADP/DEA
	4.2.2 Recover and recycle/reuse organics and builders rubble	4.2.2.1 Conduct a feasibility study to explore different options for the recycling and/or reuse of organics and builders rubble. <i>(Should this be an activity, because we don't have big industries? Most builders rubble are generated domestically)</i>	X	X	X	PAM/Industry	PAM/Industry

IWMP GOAL 4: PROMOTE WASTE MINIMISATION THROUGH THE RE-USE, RECYCLING AND RECOVERY OF WASTE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
		4.2.2.2 Implement appropriate technologies for the recycling and/or reuse of organics and builders rubble. (Should this be an activity, because we don't have big industries? Most builders rubble are generated domestically)	X	X	X	PAM	PAM/Industry

IWMP GOAL 5: IMPROVE REGULATORY COMPLIANCE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2020	2021 Onward		
5.1 OBJECTIVE: License all unlicensed operational or closed waste disposal facilities	5.1.1 All unlicensed Waste Disposal Facilities to be licensed	5.1.1.1 Appoint a EAP to assist with the authorisation process to license unlicensed waste disposal facilities	X			DEADP/DEA/PAM	Aecom has been appointed to licence all unlicensed facilities within the municipal area
		5.1.1.2 Conducting BAR process for unlicensed Waste Disposal Facilities	X			EAP/ PAM	Aecom has been appointed to licence all unlicensed facilities within the municipal area
		5.1.1.3 Issuing of the license	X			DEADP	DEADP
	5.1.2 License and rehabilitate all closed waste disposal facilities	5.1.2.1 Appoint an EAP for the rehabilitation and closure of a waste disposal facility	X			PAM	Aecom has been appointed to licence all unlicensed facilities within the municipal area
		5.1.2.2 Issuing of the license	X			PAM	DEADP

IWMP GOAL 5: IMPROVE REGULATORY COMPLIANCE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2020	2021 Onward		
		5.1.2.3 Monitoring of rehabilitated waste disposal facility				PAM	PAM/CKDM
5.2 OBJECTIVE: Ensure compliance of all waste disposal facilities with license conditions	5.2.1 improve compliance monitoring, auditing and enforcement of waste disposal facilities	5.2.1.1 Conduct compliance audits	X	X	X	DEADP	DEADP/ Licence Holders
		5.2.1.2 Conduct internal and external audits as determined by licence conditions	X	X	X	DEADP/ PAM /Consultants	DEADP/ PAM
		5.2.1.3 Communicate compliance audit results	X	X	X	DEADP/ PAM/Consultants	DEADP/ PAM
		5.2.1.4 Monitor progress of audit actions implemented	X	X	X	DEADP/ PAM	DEADP/ PAM
		5.2.1.5 Monitor contraventions of the Waste Act and Municipal By-Laws	X	X	X	DEADP/ PAM	DEADP/Mun
		5.2.1.6 Develop Environmental Management Inspection (EMI) capacity in the municipalities	X			PAM	PAM/DEADP
5.3 OBJECTIVE: Establish integrated waste management facilities (drop off sites, MRFs,	5.3.1 Develop integrated waste management facilities	5.3.1.1 Identify the integrated waste management facilities that will be established in the municipality	X	X		DEADP	DEADP
		5.3.1.2 Determine licensing requirements for facilities	X	X	X	DEADP	Owners of Contaminated Land

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OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2020	2021 Onward		
Transfer stations, composting, buy-back centres, swop shops etc.)		5.3.1.3 Appoint EAP for waste management facilities requiring licenses		X	X	DEADP/DEA	DEADP/DEA
		5.3.1.4 License waste management facilities		X		DEADP	PAM
5.4 OBJECTIVE: Develop an integrated waste management By-law	5.4.1 An integrated waste management by-law.	5.4.1.1 Revoke the existing municipal by-law	X	X		DEADP/PAM	DEADP

IWMP GOAL 6: ENSURE THE SAFE AND INTEGRATED MANAGEMENT OF HAZARDOUS WASTE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
6.1 OBJECTIVE: Promote safe handling, storage, transportation and disposal of hazardous waste	6.1.1 Facilitate awareness and training on the safe management of chemical and hazardous waste	6.1.1.1 Promote compliance with emergency incident management and reporting (section 30 of NEMA)	X	X	X	PAM /DEADP	PAM
		6.1.1.2 Facilitate training on emergency spill response to municipalities	X	X	X	PAM / DEADP	PAM
		6.1.1.3 Ensure municipal officials are trained on the Waste Classification and Management Regulations, the Standard for assessment of waste for landfill disposal, the Standard for disposal of waste to landfill and other relevant legislation	X	X	X	PAM /DEADP	PAM
	6.1.2 Remove household hazardous waste from the general waste stream	6.1.2.1 Promote source separation and diversion of household hazardous waste from the general waste stream	X	X	X	PAM	PAM /DEA
	6.1.3 Manage Health Care Risk Waste in	6.1.3.1 Implement Health Care Risk Waste management legislation	X	X	X	PAM / DEADP	PAM

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OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
	accordance with provincial legislation	6.1.3.2 Facilitate health care risk waste awareness amongst home-based care givers (safe disposal of HCRW generated at home) as well as other health-care facilities	X			PAM / CKDM	PAM
	6.1.4 Improve hazardous waste management	6.1.4.1 Conduct a risk profile of industrial hazardous waste <i>Not applicable to Prince Albert</i>	X	X		PAM	PAM
		6.1.4.2 Engage the Departments of Agriculture and Education regarding the management of hazardous waste at their respective experimental farms and schools, respectively	X	X		PAM	PAM
6.2 OBJECTIVE: Promote compliance monitoring and enforcement	6.2.1 Coordinate compliance monitoring and enforcement	6.2.1.1 Conduct joint compliance monitoring inspections	X	X	X	DEADP/ PAM / Other Authorities	Various Competent Authorities
		6.2.1.1 Facilitate co-ordinated and effective enforcement between various spheres of government	X	X	X	DEADP/ PAM / Other Authorities	DEADP/ PAM / Other Authorities

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OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		

IWMP GOAL 7: ENSURE THE SOUND BUDGETING AND FINANCIAL MANAGEMENT FOR IWM SERVICE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
7.1 OBJECTIVE: Address funding constraints of waste management authorities	7.1.1 Identify different sources of funding	7.1.1.1 Explore and facilitate access to alternative funding sources	X	X	X	PAM DEADP	

IWMP GOAL 7: ENSURE THE SOUND BUDGETING AND FINANCIAL MANAGEMENT FOR IWM SERVICE

OBJECTIVES	TARGETS	ACTIVITIES	TIME FRAMES			RESPONSIBLE ENTITY	SOURCE OF FUNDING
			2014 to 2019	2019 to 2024	2024 Onward		
7.2 OBJECTIVE: Capacitate waste authorities on financial aspects with regard to improving waste management service	7.2.1 Train officials within the waste management department within the municipality on financial management	7.2.1.1 Identify financial management courses or other training opportunities for inclusion in the performance agreements of municipal officials <i>(Shouldn't the finance departmental officials be trained on financial aspects with regard to waste management.)</i>	X	X	X	PAM	PAM
7.3 OBJECTIVE: Improve funding for waste management services	7.3.1 Secure a sustainable funding stream for IWM	7.3.1.1 Municipalities to implement a revised tariff system based on full-cost accounting	X			PAM	PAM
		7.3.1.2 Engage financial institutions to finance waste infrastructure and technologies	X	X	X	PAM DEADP	PAM
		7.3.1.3 Engage the departments of Cooperative Governance and Traditional Affairs (COGTA) and Local Government on reviewing and increasing the allocation of Municipal Infrastructure Grant (MIG) for waste management infrastructure	X	X	X	PAM / DEADP	PAM

