

Landfill site assessment checklist

	Location/Site identification:	
	Date of site visit: _	
Persons interviewed and their roles:		
	<u></u>	C – compliance*
		PC - partial compliance*
		NC – non-compliance*
		NA – Not available
		*In relation to best available practices

Legend:

Cr.	Criteria	С	PC	NC	NA	Comments/recommendation
Nr.						
1	Documentation					
	Does the site have the necessary					
	permits/authorizations (particularly					
	environmental) and are they valid?					
	Mention which permits are in place and which are					
	missing, if any.					
	Is the list of Acceptable and Prohibited wastes					
	indicated at the entrance					
	Copy of Permit displayed and accessible to facility					
	personnel?					



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Nr.						
	Permittee keeps records and reports of waste					
	types and amounts of recyclables received					
	Is the documentation of the waste flow traceable,					
	complete and consistent (identification form,					
	single weighing bridge documents/estimation of					
	incoming waste, landfill internal monthly list,					
	report of type and quantity of waste to the					
	competent authority)?					
	Do you have a plan for site closure?					
	Are the basic characterization documents kept as					
	long as required by national legislation?					
	What is the frequency of compliance testing and					
	what tests are routinely performed?					
	Have the analyses been performed by an					
	independent and qualified person/institution?					
2	Siting					
	Distance from nearest dwelling					
	Distance from nearest water body					
	Is the landfill located on soils that have low					
	permeability such as clays or silts?					
	Distance from main road					
2	Ground water					
3	Geologic and hydro geologic conditions tested					
	before the landfill was established					
	Water quality tested and monitored					
	Depth of water table below waste					
4	Construction					



Cr.	Criteria	С	PC	NC	NA	Comments/recommendation
Nr.						
	All landfill facility construction conforms to					
	approved plans and specifications?					
	Pipes, culverts, ditches, swales, berms, dikes,					
	straw bales, erosion control matting, riprap, and					
	other structures are well maintained, constructed					
	per approved design plans and specifications?					
	Perimeter flood control dikes are well maintained,					
	structurally sound, in good condition?					
	Vertical wells and horizontal collectors are well					
	maintained and sufficient in number to prevent					
	excessive odors and subsurface gas migration?					
	Header pipes, valves and associated equipment					
	are functional and well maintained? Landfill-wide					
	odors not excessive?					
	On-site structures setback adequately from the					
	landfill or have engineering controls and					
	monitoring to prevent and detect landfill gas					
	intrusion and explosion hazards?					
	Is the working area designed in a way to minimize					
	fugitive releases?					
5	Operation					
	What are the procedures and rules in place					-
	regarding acceptance of following types/streams					
	of waste:					
	a) hazardous waste					
	b) liquid wastes, lead acid batteries,					
	used oil, vehicles, waste tires					
	c) source separated recyclables					
	d) asbestos					
	e) infectious waste					
	f) large metal jacketed appliances					
	g) explosives					
	h) Waste electric and electronic equipment					



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Nr. Facility effectively minimizes leachate generation					
in active and inactive cells through systematic use					
of daily cover, intermediate (plastic) cover and					
phased final closure (close-as-you-go) strategies?					
Is the landfill separated from nearest individual					
dwelling and well by at least 100m and from the					
nearest residential development by at least					
300m?					
Are there clearly designated areas for scrap					
metal, tires, wood, etc.?					
If there is tire Storage. How many whole tires are					
stored at one time on site?					
Is there any unacceptable waste deposited into					
the landfill (hazardous waste) and not in specially					
designated areas?					
Is waste regularly compacted and covered?					
Are there issues with illegal dumping?					
Is landfill operating equipment suitable					
and well maintained?					
Is there a Log Book for maintenance of landfill					
operating equipment?					
Is it ensured that the accepted wastes have					
undergone appropriate treatment, if required?					
How is this ensured?					
Are the waste loads visually inspected by					
personnel trained to recognize waste that					
requires special handling?					
Are procedures in place on how to deal with					
difficult wastes (e.g. very large objects, sludges,					
very light material, finely particulate material)?					



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Nr.						
	Are procedures in place to deal with particulate					
	matter arising from the placement of wastes,					
	traffic on site roads during periods of dry					
	weather, site preparation and restoration					
	activities, surface emissions and carriage of					
	dust/mud onto the roads?					
	Do landfill attendants regularly inspect the site?					
	Are procedures in place to maintain a description					
	of the types of odorous substances deposited and					
	generated?					
	Do you have a landfill operation plan showing the					
	order of waste disposal (where to place the					
	waste, thickness of layers, instructions regarding					
	waste compaction)					
6	Health and Safety					
	A) HEALTH AND SAFETY POLICY					
	 Do you have a written Health and Safety 					
	policy? If so, please supply a copy.					
	 Supply a schedule (job categories/type 					
	and frequency of medical check-up)					
	performed on the personnel who is					
	providing work on this site					
	B) SAFETY STANDARDS					
	 Do you have any emergency procedures? 					
	If so, please supply a copy.					
	What safety equipment is supplied to					
	your employees?					
	Who pays for it?					
	When is it replaced?					
	C) SAFETY TARGETS					
	What have you identified as the main					
	hazards in the type of work performed on					



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Nr.						
	the site and what steps have you taken,					
	and do you continue to take to avoid					
	accidents in these aspects of your					
	activity?					
	D) SAFETY INSPECTIONS AND AUDITS					
	 Do you conduct regular safety audits or 					
	inspections? If so, state how often they					
	are performed, who does them and					
	provide a copy of a typical report.					
	 How do you make sure that findings are 					
	acted upon?					
	E) SAFETY TRAINING					
	 State what safety training you provide for 					
	your personnel in the various job					
	functions.					
	F) ACCIDENT INVESTIGATION					
	 In case of an accident, how do you report 					
	and investigate it?					
	 If you have a written procedure, please 					
	supply a copy, otherwise please provide a					
	description of the process.					
	G) EFFECTIVE MOTIVATION AND					
	COMMUNICATION					
	What safety meetings do you have?					
	 How often do each of these meetings 					
	take place, who attends and what do they					
	discuss?					
	 How do you inform new employees of 					
	your safety requirements?					
	Signs, fences, barriers clearly define waste					
	unloading areas?					
	Active landfill area has minimal birds, insects,					
	rodents?					



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Nr.	the continue for the death of the last of					
	How are these insects and rodents controlled?					
	Dust, odors and noise controlled?					
	Weather conditions are documented? How are they used in planning and operations? (Rainfall data etc.,) How is wind-blown litter controlled?					
	How is wind-blown litter controlled?					
	Area for refueling Landfill Equipment is adequate and safely managed?					
	Entry roads are safe, provide all weather access and are well maintained?					
	Entrance signs indicate facility name, emergency phone #, schedule, acceptable and prohibited wastes, and restrict site access?					
	Adequate security, prevents unauthorized entry and dumping?					
	Do landfill attendants regularly inspect the site?					
	Is there developed and implemented a training program for the employees who manage hazardous waste?					
	Provide training records and training program for current year					
	Are eye wash fountains and safety showers provided in areas where corrosive chemicals are handled?					
7	Fire prevention/control					
	Open Burning. Does it occur?					



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Nr.						
	If yes, with what frequency and how is it dealt with?					
	Facility provides adequate on-site fire control measures?					
	Has the facility arranged for assistance from local Fire Department if needed? Is there an official protocol/procedure in place?					
	Are fire extinguishers selected and provided for the types of materials in areas where they are to be used?					
	Is there safety equipment for staff and site?					
	Has the staff been instructed in matters of fire prevention? Were there practical exercises performed with the relevant staff? With what frequency?					
	Communications equipment is available for emergencies?					
8	Hazardous waste storage					
	Is there a hazardous waste storage at the landfill?					
	Is it lockable?					
	Is the capacity sufficient?					
	Size in m ² ?					
	Do you have adequate containers, barrels or boxes for the intermediate storage of hazardous waste?					



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Nr.						
	Do you transport equipment (fork lifter or similar)					
	for those bins?					
	Is there trained staff on site for handling					
	hazardous waste?					
	Is the storage emptied regularly?					
	Is incoming and outgoing hazardous waste					
	registered (type of waste, date, quantity, name of					
	deliverer)					
	Is there maneuvering area for trucks in front of					
	the storage?					
	Do you have water supply at the landfill?					
	Do you have electricity supply at the landfill?					
9	WAREHOUSE/ STORAGE					
	Good housekeeping is being maintained, and all					
	areas, are free from debris, such that no situation					
	exists that could create a fire, accident or egress					
	hazard					
	Are all containers, such as vats and storage tanks					
	labelled as to their contents					
	Waste labels and markings are clearly visible					
	Are Storage racks marked with the maximum					
	loading weight per shelf unit					
	Are all pallets in good condition					
	Items are safely stored and unlikely to fall					
	Large, heavy objects (that can be manually					
	handled) are stored below shoulder level					



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	Shelving/ racking is secure and has guards to					
	prevent items falling					
	All aisles and exits are free from debris					
	A "DO NOT USE" warning sign is in place on all					
	non-operational equipment and machinery. In					
	addition, lockout/tag out is employed as					
	applicable.					
	Is there a Quarantine area?					
	Appropriate signs are posted in all areas where					
	PPE is required to be worn					
	Steps non-skid and free of slipping hazards?					
	All confined spaces are clearly marked and					
	secured					
	Weekly, monthly inspections are completed					
	Waste is stored in suitable and compatible UN					
	approved containers					
	Waste containers are in good condition					
	Waste are segregated according to regulatory					
	requirements or other requirements					
	Necessary space for inspection and movement of					
	loads is available					
10	SPILL PREVENTION & RESPONSE					
	Spill collection systems are available for liquid					
	waste					
	Have standard operating procedures been					
	established and are they being followed when					
	cleaning up chemical spills?			-		
	Are liquid substances stored in drip trays or					
	sealed bunds					



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INI .	Is there site free of the signs of leaks or pools of a					
	substance that has not be cleared up promptly					
	Is there a spill response plan available on site?					
	Spill kits are available and marked					
	Unbounded liquids not stored by drains or open ground.					
11	INFORMAL ACTIVITIES					
	Are there informal workers on the site?					
	If Yes, how many (approximately)? How often are they present on site? Male/Female ratio					
	Average age					
	What operations do informal workers perform on site?					
	What were the engagement activities with informal workers performed so far? What were the results of such activities?					