

**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
SOLID AND HAZARDOUS WASTE DIVISION
Chapter 2, Sanitary Landfill Checklist (Renewal)**

Design and Construction Standards		
Result	Section	Inspection Item
	4(a)	Are there surveyed corners with permanent caps?
	2 4(b)	Are there adequate access restrictions including adequate fencing and locked gates to control access to the facility?
	2 4(c)	Has the facility posted the required signs at access points (facility name, emergency contacts and phone, hours of operation, prohibited wastes, and asbestos notification)?
	2 4(d)	Does the facility have an adequate, all-weather access road?
	2 4(e), 5 (k)	Are there ten foot firelanes around all solid waste units or within the perimeter fence and is the facility equipped with portable fire extinguishers and a communication system for emergency protection?
	2 4(f)	Is there at least a 20 foot buffer zone maintained within the site perimeter?
	2 4(g)	Has all topsoil been vegetated and signed?
	2 4(h)	Have engineering measures been properly incorporated into landfill design and construction to ensure stability in unstable and fault areas in seismic impact zones?
	2 4(i)	Have surface water run-on and runoff structures been properly designed and constructed for the 25 year, 24-hour or 100-year, 24-hour precipitation events?
	2 4(j)	Does the facility have an engineered containment system (ECS)?
	2 4(k)	Does the ECS meet all design and construction requirements?
	2 4(l)	Does the cell capacity exceed the capacity limit for the ECS?
	2 4(m)	Are any trench walls steeper than 1.5:1 h:v?
	2 4(n)	Are the facility's litter control structures properly designed and constructed to adequately control litter?
	2 4(o)	Are on-site structures adequately designed for methane control?
	2 4(p)	Do all special waste units present meet all Chapter VIII requirements?
	2 4(q)	Do any transfer, treatment and storage units present meet all Chapter VI requirements?

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Operating Standards		
Result	Section	Inspection Item
	2 5	<u>Operating Standards</u>
	2 5(a)	Does the facility have a qualified solid waste manager and has one been designated within 3 months of termination?
	2 5(a)(i)	Does the solid waste manager have a working knowledge of the plan?
	2 5(a)(ii)	Has the manager attended specified training including HW and PCB training?
	2 5(a)(iii)	Has the manager attended department sponsored courses relating to new rule or guideline changes?
	2 5(a)(iv)	Has the new manager been trained within 6 months of his employment?
	2 5(a)	Are the solid waste manager's qualifications and training records on file?

	2 5(c)	Is the facilities equipment and standby equipment adequate and is backup equipment available?
	2 5(e)	Does the landfill accept bulk liquid wastes?
	2 5(f)	Is a hazardous waste screening program in place and/or have all department notifications properly made?
	2 5(g)	Are dead animals covered daily?
	2 5(h)	Are there signs posted to direct traffic to the proper dumping areas?
	2 5(i)	Is salvaging occurring and if so, is it conducted in a manner that does not interfere with normal operations?
	2 5(j)	Has the facility performed open burning without approval?
	2 5(l)	Does the facility maintain an effective litter control program within the landfill and off-site?
	2 5(m)	Are onsite vectors prevented and controlled using appropriate techniques?
	2 5(n)	Does the landfill adequately prevent dust and odor problems?
	2 5(o)	Is the dumping area confined to the smallest practical area?
	2 5(p)	Are all wastes compacted adequately?
	2 5(q)	<u>Routine Cover Requirements</u>
	2 5(q)(i)	Is waste covered with soil at the end of each day that the facility is open if it is a Type 1 facility?
	2 5(q)(ii)	In Type II facilities, if there is more than ten tons of waste is it covered at least once every seven days; if there is less than ten tons and more than three tons of waste is it covered at least once a week; and if there is less than three tons of waste, a minimum of once every 16 days.
	2 5(q)(iii)	Are C/D wastes (bulky waste storage, tires, batteries, used oil, PCB's, etc.) being segregated and stored as per the approved permit application?
	2 5(q)(iv)	Is routine cover 6 inch compacted soil or approved alternative material?
	2 5(q)(v)	If an alternative cover is used, is waste covered with 6 inch compacted soil every 30 days?
	2 5(r)	Are fill areas that have not been used for 180 days covered with 6 inches of cover material and an additional 12 inches of intermediate cover?
	2 5(s)	Have completed areas been promptly reclaimed?
	2 5(t)(i)	Do methane levels exceed 25% LEL at the facility boundary?
	2 5(t)(i)(A)	If methane level exceeds 25% LEL at the boundary, did the operator immediately notify SHWD and take steps to protect HH&E?
	2 5(t)(i)(B)	Have records of actions been placed in the operating record within 7 days of detection?
	2 5(t)(i)(C)	Has a remediation plan been implemented within 60 days of detection?
	2 5(u)	Is surface water ponded or in contact with waste and are surfaces properly graded to promote lateral surface water run-off?
	2 5(v)	Is all discharge to surface water prohibited?
	2 5(w)	Is there any contact with ground water?
	2 5(x)	Has the facility altered groundwater quality as determined by groundwater monitoring?

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Recordkeeping - On Site

Result	Section	Inspection Item
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	2 5(y)(i)	Are all records maintained onsite or at an approved location?
	2 5(y)(i)(A)	Are there records of litter collection including dates and areas of collection?
	2 5(y)(i)(B)	Are there records of compaction and cover procedures including dates and areas compacted and covered?
	2 5(y)(i)(C)	Are here records of types and disposition of special wastes including--type, volume date, and source?
	2 5(y)(i)(D)	Are there records of wastes sold or otherwise salvaged?
	2 5(y)(i)(E)	Are there records of cessation of operations?
	2 5(y)(i)(F)	Is a copy of the permit letter available at the facility?
	2 5(y)(ii)(B)	Are there records of the location restriction demonstration?
	2 5(y)(ii)(C)	Are there records of all random inspections and screening activities for regulated HW and PCBs?
	2 5(y)(ii)(D)	Are there HW and PCB training records?
	2 5(y)(ii)(E)	Are there records of methane monitoring activities and required notifications?
	2 5(y)(ii)(F)	Are there records of all ground watering monitoring and test data?
	2 5(y)(ii)(G)	Are there records for as built specs for length, width, depth and location of trenches?
	2 5(y)(ii)(H)	Are there records of trench completion dates and their contents?
	2 5(y)(ii)(I)	Are copies of closure and post-closure plans being kept if not already contained in the permit application?
	2 5(y)(ii)(J)	Are cost estimates and financial assurance demonstrations required under Chapter 7, being kept as part of the operating record?
	2 5(y)(ii)(K)	Is information demonstrating the landfill classification, being kept as part of the operating record?
	2 5(y)(ii)(L)	Is the engineered containment demonstration record, being kept as part of the operating record?
	2 5(y)(ii)(M)	Are the dates when reclamation activities took place, being kept as part of the operating record?
	2 5(y)(ii)	Are all records maintained in the operating record through post-closure?
	2 5(b), 5(y)(ii)(A)	Does the operator have a copy of the operating plan at the facility when landfill personnel are on-site?

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Groundwater & Methane Monitoring

Result	Section	Inspection Item
	6	<u>Monitoring Standards</u>
	2 6(a)	Are all samples properly collected and managed?
	2 6(b)	Is all ground water properly monitored?
	2 6(b)(i)(B)(I)	In Type I facilities, are the wells properly designed, constructed, installed and operated?
	2 6(ii)(B)	In Type II facilities, are the wells properly designed, constructed, installed and operated?
	2 6(i)(C)	Are monitor wells being analyzed in compliance with frequency requirements for Type I facilities?
	2 6(i)(D)	Are monitor wells being analyzed in compliance with frequency requirements for Type II facilities?
	2 6(c)	Is methane monitoring being conducted?

	2 6(c)(i)	Are methane probes properly located, designed, constructed and installed?
	2 6(c)(ii)	Is there proper abandonment?
	2 6(c)(iii)	Is there proper quarterly monitoring?
	2 6(d)	If required, is there proper air monitoring in accordance with AQD requirements?
	2 6(e)	If required, is there proper soil core monitoring?
	2 6(f)	If required, is there proper vadose zone monitoring?

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