



## MUNICIPAL SOLID WASTE LANDFILL SOLID WASTE FACILITY PLAN APPLICATION CHECKLIST

### SUBMITTAL OF APPLICATION

This checklist constitutes the outline for the Solid Waste Facility Plan (SWFP) that is required in accordance with A.R.S. §49-762 and 40 CFR §258, and is required to be completed and attached to your application. A complete application should consist of a cover letter, the MSWLF application, and the SWFP. The SWFP should consist of this checklist and the associated supporting documentation and technical information. Please **note** the following:

- Ensure that any design drawings and/or calculations are sealed by an Arizona-registered professional of an appropriate discipline.
- For calculations, state any assumptions made and provide references for values and resources used.
- Should you determine an element is “not applicable,” please formally address the item in the SWFP and state “not applicable” and the basis for that determination.
- If the design includes impoundments other than the impoundment of storm water, an Aquifer Protection Permit (APP) will be required in addition to an approved SWFP.
- Where *italics* are used within the SWFP checklist, the information presented in italics is not required to be submitted in accordance with statutory or regulatory authority; however, it may be helpful to submit this information for the purpose of application completeness.
- The completeness, organization, and clarity of your submittal will assist ADEQ in facilitating its review. Please number pages, and use good editorial practices such as section headers, and a Table of Contents. Provide technical references as needed.

Use the SWFP checklist to ensure that you do not forget to include a SWFP application component. The checklist also includes a cross-reference column in which the applicant is to note the location of the requested information in the application package.

Should you have any questions regarding this process, please contact the Permits and Plan Review Unit at (602) 771-4123.



**MUNICIPAL SOLID WASTE LANDFILL  
SOLID WASTE FACILITY PLAN  
APPLICATION CHECKLIST**

**SOLID WASTE FACILITY PLAN CHECKLIST**

<b>I.</b>	<b>LETTER OF TRANSMITTAL</b>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	A letter of transmittal to the Department	NA	
<b>II.</b>	<b>TABLE OF CONTENTS</b> <i>Instructions: Please provide a detailed Table of Contents that follows the general outline of this SWFP checklist.</i>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	A table of contents listing the main sections of the application	NA	
<b>III.</b>	<b>GENERAL INFORMATION</b>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	Name of the facility	A.R.S. §49-762.07(A)(1) A.A.C. R18-1-503(A)(2)	
<input type="checkbox"/>	General Description of the Facility Operation – The type and a general description of the solid waste facility operation	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Owner Information – All owner’s names, addresses, and telephone numbers	A.R.S. §49-762.03(A) A.A.C. R18-1-503(A)(1)	
<input type="checkbox"/>	Operator Information – All operator’s names, addresses, and telephone numbers	A.R.S. §49-762.03(A)	
<input type="checkbox"/>	Agent Information – All names, addresses, and telephone numbers of any agents authorized to act on behalf of the applicant	A.A.C. R18-1-503(A)(3)	
<input type="checkbox"/>	Facility Information	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	The physical location of the facility	A.R.S. §49-762.07(A)(1)	
<input type="checkbox"/>	The mailing address of the facility	A.R.S. §49-762.07(A)(1)	
<input type="checkbox"/>	The legal description of the facility by township, range and section	A.R.S. §49-762.07(A)(2)	
<input type="checkbox"/>	The county assessor’s book, map, and parcel number for the land on which the facility is located	A.R.S. §49-762.07(A)(2)	
<input type="checkbox"/>	Drainage characteristics at the facility	40 CFR §258.40(c)	
<input type="checkbox"/>	An estimate of the life in years, fill size in acres, and capacity in tons of the proposed landfill; the application should include the rationale and method of calculation for each figure, and include an estimate of the volumes of daily, intermediate and final soil cover proposed	40 CFR §258.1(f)(1)	

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III.	GENERAL INFORMATION	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Location Map – Provide a diagram of the property showing the location of the solid waste facility or facilities. What follows are ADEQ recommendations regarding the presentation of this information:	A.R.S. §49-762.07(A)(5)	
<input type="checkbox"/>	<i>Latitude and longitude;</i>		
<input type="checkbox"/>	<i>A legible scale of not over 1:62,500;</i>		
<input type="checkbox"/>	<i>Directions to the proposed facility from a major existing roadway;</i>		
<input type="checkbox"/>	<i>The proposed service area;</i>		
<input type="checkbox"/>	<i>Location of the closest population centers; and</i>		
<input type="checkbox"/>	<i>Transportation systems including highways, airports and railways.</i>		
<input type="checkbox"/>	<i>Aerial Photograph – It is recommended that an aerial photograph of the site be submitted, showing at least a one-half mile radius around the facility</i>		
<input type="checkbox"/>	<i>Vicinity Map(s) – At a scale not over 1:24,000 that delineates:</i>		
<input type="checkbox"/>	<i>The area within one mile of the proposed facility boundaries;</i>		
<input type="checkbox"/>	<i>Adjacent zoning and land use (including residences) within one mile of the proposed facility boundaries;</i>		
<input type="checkbox"/>	<i>Access roads, bridges and railroads;</i>		
<input type="checkbox"/>	<i>Airports within 10,000 feet of the proposed facility boundaries;</i>		
<input type="checkbox"/>	<i>Floodplains within one-half mile of the proposed facility boundaries;</i>		
<input type="checkbox"/>	<i>Location of any surface water courses, wetlands and groundwater wells listed in public records or otherwise known to the applicant within one-half mile of the proposed facility boundaries;</i>		
<input type="checkbox"/>	<i>Established historic sites, registered by the State Historic Preservation Office, located within one mile of the proposed facility property boundaries; and</i>		
<input type="checkbox"/>	<i>Any other existing or proposed man-made, natural or other significant feature within one mile of the proposed facility boundaries.</i>		

IV.	LOCATION RESTRICTIONS	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Irrigation Grandfathered Rights – New solid waste facilities may not be permitted if an irrigation grandfathered right is appurtenant to all or any part of the facility. The irrigation grandfathered rights may be retired through the Department of Water Resources.	A.R.S. §49-772(A)(1)	
<input type="checkbox"/>	Floodplains – > 25,000 cfs – No part of a facility seeking plan approval may be located within one half mile of a 100-year floodplain with flows in excess of 25,000 cfs.	A.R.S. §49-772(A)(2) <sup>1</sup>	

<sup>1</sup> See A.R.S. §49-772(A)(2) for exceptions.

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IV.	LOCATION RESTRICTIONS	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Floodplains – If the landfill is located in a 100-year floodplain, it must not restrict the flow of a 100-year flood, reduce temporary storage capacity of the floodplain or result in washout of solid waste.	40 CFR §258.11	
<input type="checkbox"/>	Airport Safety – The owner or operator of a new or existing solid waste landfill located within 10,000 feet of any airport runway end used by turbojet aircraft or 5,000 feet of any airport runway end used by only piston-type aircraft must demonstrate that the landfill is designed and operated so that it does not pose a bird hazard to aircraft. If located within a five mile radius of any airport runway end used by turbojet or piston-type aircraft, the affected airport and Federal Aviation Administration must be notified.	40 CFR §258.10	
<input type="checkbox"/>	Wetlands – New solid waste landfills shall not be located in wetlands unless the owner or operator can demonstrate all of the following:	40 CFR §258.12	
	<input type="checkbox"/> A practicable alternative site is not available;	40 CFR §258.12(a)(1)	
	<input type="checkbox"/> The construction and operation will not cause, contribute to the violation of any applicable state water quality standard, toxic effluent standard or prohibition, or jeopardize endangered or threatened species or critical habitat; or violate the Marine Protection, Research, and Sanctuaries Act.	40 CFR §258.12(a)(2)	
	<input type="checkbox"/> The construction and operation will not cause or contribute to significant degradation of wetlands;	40 CFR §258.12(a)(3)	
	<input type="checkbox"/> To the extent required under section 404 of the Clean Water Act or applicable state wetland laws, steps have been taken to attempt to achieve no net loss of wetlands by first avoiding impacts to wetlands to the maximum extent practicable through all appropriate and practicable compensatory mitigation actions.	40 CFR §258.12(a)(4)	
<input type="checkbox"/>	Fault Areas – New solid waste landfills shall not be located within 200 feet of a fault that has had displacement in “Holocene geologic time” (within the last 10,000 years) unless the owner or operator can demonstrate that an alternative setback distance will prevent damage to the structural integrity of the facility and will protect public health and the environment.	40 CFR §258.13	
<input type="checkbox"/>	Seismic Zones – New solid waste landfills shall not be located in seismic impact zones unless the owner or operator can demonstrate that all containment structures, including liners, leachate collection systems and surface water control systems are designed to resist the maximum horizontal acceleration in lithified earth material for the site.	40 CFR §258.14	
<input type="checkbox"/>	Unstable Areas – New and existing solid waste landfills that are located in an unstable area, such as areas with fissures, mass movement, highly expansive soils, or karst terrain, must demonstrate that engineering measures have been incorporated into the facility design to ensure that the integrity of the structural components of the facility will not be disrupted, including at a minimum an analysis of the following:	40 CFR §258.15(a)	
	<input type="checkbox"/> On-site or local soil conditions that may result in significant expansion/collapse and/or differential settling;	40 CFR §258.15(a)(1)	
	<input type="checkbox"/> On-site or local geologic or geomorphologic features;	40 CFR §258.15(a)(2)	
	<input type="checkbox"/> On-site or local man-made surface or subsurface features or events (both surface and sub-surface).	40 CFR §258.15(a)(3)	

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V.	ADMINISTRATIVE DEMONSTRATIONS	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Financial Assurance Requirements – Municipal solid waste landfills will be required to demonstrate financial assurance. “Financial Assurance For Closure” requires MSWLF owners or operators to obtain a detailed written estimate, in current dollars, based on the cost of hiring a third party to conduct closure of the largest area of all MSWLF units open at any one time, plus the third party cost <sup>2</sup> for 30-years of post-closure activities for the entire facility.	40 CFR §258 Subpart G	
<input type="checkbox"/>	Technical Capability – A demonstration of the practicable capability of the owner or operator is required. Practicable capability includes a demonstration that the operator/operator of the solid waste facility is technically capable of constructing and operating the solid waste facility in accordance with the proposed plan. This demonstration may include the following:	40 CFR §258.40(d)(8)	
	<input type="checkbox"/> <i>Pertinent professional licenses or certifications held</i>		
	<input type="checkbox"/> <i>Professional training relevant to the construction or operation of the solid waste facility</i>		
	<input type="checkbox"/> <i>Work experience relevant to the design, construction, or operation of a solid waste facility</i>		
<input type="checkbox"/>	The following information is required if the applicant is a federal agency, state agency, or political subdivision of the state:	A.R.S. §49-767	
	<input type="checkbox"/> A copy of the formal action taken by the local governing body approving the site;	A.R.S. §49-767(A)	
	<input type="checkbox"/> A copy of the posted notice identifying the affected property and a statement certifying that the notice was posted;	A.R.S. §49-767(B)	
	<input type="checkbox"/> Verification that the notice identifying the affected property was delivered to real property owners within the area described; include a copy of the list of names and addresses of real property owners;	A.R.S. §49-767(C)	
	<input type="checkbox"/> A copy of a notarized affidavit from the publishing newspaper, which includes the language and dates of the public notice; and	A.R.S. §49-767(D)	
	<input type="checkbox"/> A copy of the written list of names and addresses of the governing body of any city, town, or unincorporated portion of any county that is located within the area described; or	A.R.S. §49-767(E)	
	<input type="checkbox"/> Submit proof that proper zoning approval was obtained pursuant to the solid waste management rules (cite applicable rule).	A.R.S. §49-767(F)	
<input type="checkbox"/>	Restrictive Covenant – A restrictive covenant shall be placed on the disposal area of the facility before the director may grant plan approval for operation of a solid waste landfill; thus a draft restrictive covenant is required as part of the SWFP submittal.	A.R.S. §49-771	

<sup>2</sup> These costs must be updated annually. See 40 CFR §258.71(a)(2) and §258.72(a)(2).

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VI.	<b>OTHER APPROVALS/DEMONSTRATIONS</b> <i>Instructions: The information below includes regulatory requirements outside of solid waste permitting. Although not required to be submitted as part of the SWFP, ADEQ requests that each item below be addressed in terms of its applicability to the project. If applicable, a statement of the owner/operator's intent to obtain the appropriate permit, clearance, and/or authorization should be noted in the SWFP.</i>	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Archaeological Clearance – An archeological review of the site shall be conducted in accordance with the State Historic Preservation Act. The Department will accept a letter of concurrence signed by the State Historic Preservation Officer as evidence of archeological clearance.		
<input type="checkbox"/>	Floodplain – If the proposed facility is located in a floodplain, submit verification that an approval was obtained from the Local Floodplain Administrator.		
<input type="checkbox"/>	Well Drilling Registrations – A permit must be obtained from the Arizona Department of Water Resources for borings which encounter groundwater and for installation of groundwater monitor wells or piezometers. Provide copies of registrations.		
<input type="checkbox"/>	Presence of Endangered Plants and/or Species – A U.S. Fish and Wildlife Service clearance, and Arizona Game and Fish Department information request.		
<input type="checkbox"/>	Section 404 Permit/ADEQ 401 Certification – include a statement acknowledging whether the facility will be subject Section 404 and ADEQ 401 Certification and, if applicable, the facility will apply for and obtain the required permits.		
<input type="checkbox"/>	AZPDES Storm Water Permits – an AZPDES storm water discharge permit will be required for facility construction, and a separate permit may be required for operational activities. Please provide a statement indicating that the facility will apply for and obtain the required permits to manage storm water run-off from the facility.		
<input type="checkbox"/>	New Source Performance Standards (NSPS) and Emission Guidelines (EG) – include a statement acknowledging whether the facility will be subject to NSPS and EGs for MSWFLs as set forth in 40 CFR §60, Subpart WWW and Subpart AAAA and, if applicable, the facility will apply for and obtain the required permits.		
<input type="checkbox"/>	Landscape Plan – a landscape plan may be required in conjunction with municipal or local approvals issued in conjunction with your project.		

VII.	<b>OPERATING CRITERIA</b> <i>Instructions: The operating plan must describe the operational procedures necessary to reduce threats to public health and eliminate the possibility of releases.</i>	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Procedures for excluding the receipt of hazardous waste including the following:	40 CFR §258.20	
<input type="checkbox"/>	Random inspections of incoming loads	40 CFR §258.20(a)(1)	
<input type="checkbox"/>	Records of any inspections	40 CFR §258.20(a)(2)	
<input type="checkbox"/>	Training of facility personnel to recognize hazardous waste and PCB wastes	40 CFR §258.20(a)(3)	
<input type="checkbox"/>	Notification if hazardous wastes are discovered at the facility	40 CFR §258.20(a)(4)	
<input type="checkbox"/>	Procedures for Excluding the Receipt of Bulk or Non-containerized Liquids.	40 CFR §258.28	

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<b>VII.</b>	<b>OPERATING CRITERIA</b> <i>Instructions: The operating plan must describe the operational procedures necessary to reduce threats to public health and eliminate the possibility of releases.</i>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	Discussion regarding application of adequate cover material, in an appropriate volume and at an appropriate frequency, to control disease vectors, fires, odors, blowing litter, and scavenging.	40 CFR §258.21	
<input type="checkbox"/>	Disposal Methods – The operation plan must describe how excavations will be performed, where filling will be commenced and its progression to each excavation, the actual placing of fill within each excavation and procedures for compaction and cover placement. The following should be included:	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Type of disposal facility (i.e., cell, trench or area);	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Standard details for typical cell, trench or area construction (i.e., length, width and height);	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Height of compacted refuse lifts (8-12 feet maximum for conventional equipment);	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Slope of working face (3 horizontal to 1 vertical maximum unless stability of steeper slopes can be demonstrated);	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Size of working face;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Compaction procedures (maximum two foot layers of refuse before compaction in each 8-12 foot lift for conventional equipment). The waste and cover must be compacted separately;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Procedures for applying daily cover;	40 CFR §258.21	
<input type="checkbox"/>	Request for alternate daily cover, if applicable. Applicant is required to demonstrate that the alternative material and thickness control disease, vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment; and	40 CFR §258.21	
<input type="checkbox"/>	Include provisions for collecting and transporting surface water run-off away from refuse at the working face.	40 CFR §258.26	
<input type="checkbox"/>	Litter Control – The operation plan must include procedures for control of on and off-site trash and windblown litter, and describe personnel both temporary and permanent available for policing the area as well as scheduled times for these activities.	A.R.S. §49-762.07(F)(1) 40 CFR §258.21	
<input type="checkbox"/>	Dust Control – The operation plan must include procedures used to reduce dust generation such as gravel packed roads and/or water truck availability and usage (refer to 40 CFR §258.24(a) for additional requirements).	A.R.S. §49-762.07(F)(1) 40 CFR §258.24(a)	
<input type="checkbox"/>	Disease Vector Control – The operation plan must include techniques that will, in combination with daily cover, minimize the disease vector population.	A.R.S. §49-762.07(F)(3) 40 CFR §258.22	
<input type="checkbox"/>	Explosive Gas Monitoring – The following explosive gas monitoring activities must be included in the facility plan:	40 CFR §258.23(a)	
<input type="checkbox"/>	Type and frequency of landfill gas monitoring	40 CFR §258.23(b)	
<input type="checkbox"/>	Action plan in response to gas level exceedances	40 CFR §258.23(c)	
<input type="checkbox"/>	Any landfill gas monitoring required by the Clean Air Act, New Source Performance Standards and Emission Guidelines	40 CFR §258.24 40 CFR §60 Subpart WWW and AAAA	
<input type="checkbox"/>	Odor Control – The operation plan shall include techniques that will, in combination with daily cover, minimize odor.	A.R.S. §49-762.07(F)(1) 40 CFR §258.21	
<input type="checkbox"/>	Fire Control – The operation plan must include procedures used for prevention of fires.	A.R.S. §49-762.07(F)(3) 40 CFR §258.21	

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<b>VII.</b>	<b>OPERATING CRITERIA</b> <i>Instructions: The operating plan must describe the operational procedures necessary to reduce threats to public health and eliminate the possibility of releases.</i>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	Access Control – The operation plan must include provisions for control of public access to prevent unauthorized vehicle access and/or illegal dumping.	A.R.S. §49-762.07(F)(4) 40 CFR §258.25	
<input type="checkbox"/>	Equipment – A description of waste storage and treatment equipment	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Recordkeeping Requirement – 40 CFR §258.29 requires municipal solid waste landfills to record or maintain near the facility, unless an alternate location has been approved by the Director, the following documents:	A.R.S. §49-762.07(A)(3) 40 CFR §258.29	
<input type="checkbox"/>	Location restrictions;	40 CFR §258.29(a)(1)	
<input type="checkbox"/>	Inspection records, training procedures, and notification requirements of 40 CFR §258.20;	40 CFR §258.29(a)(2)	
<input type="checkbox"/>	Gas monitoring results, remediation plans, and notification requirements of 40 CFR §258.23;	40 CFR §258.29(a)(3)	
<input type="checkbox"/>	Any MSWLF unit design documentation for placement of leachate or gas condensate in a MSWLF;	40 CFR §258.29(a)(4)	
<input type="checkbox"/>	Any demonstration, certification, finding, monitoring, testing, or analytical data;	40 CFR §258.29(a)(5)	
<input type="checkbox"/>	Closure and post-closure care plans and any monitoring results, testing, or analytical data;	40 CFR §258.29(a)(6) 40 CFR §258.60 40 CFR §258.61	
<input type="checkbox"/>	Any cost estimates and financial assurance documentation required for closure, post-closure, and remediation by Subpart G, of 40 CFR §258.70-74; and	40 CFR §258.29(a)(7) 40 CFR §258.70-74	
<input type="checkbox"/>	Any information demonstrating compliance with the small community exemption as required by 40 CFR §258.1(f)(2).	40 CFR §258.29(a)(8) 40 CFR §258.1(f)(2)	
<input type="checkbox"/>	Waste Characterization –Include a listing of the types and volumes of wastes handled. Special handling and segregating procedures for incoming wastes must be addressed in the plan.	A.R.S. §49-762.07(A)(3) and (4)	
<input type="checkbox"/>	Household waste;	A.R.S. §49-701(13)	
<input type="checkbox"/>	Construction debris (from demolition and construction activities);	A.R.S. §49-701(5)	
<input type="checkbox"/>	Vegetative waste (grass, leaves, trees, etc.);	A.R.S. §49-701(36)	
<input type="checkbox"/>	White goods or large appliances (refrigerators, stoves, etc.);	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Tires;	A.R.S. §44-1304 A.A.C. R18-13-1201 et seq.	
<input type="checkbox"/>	Animal carcasses;	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Asbestos (friable and/or non-friable);	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Sewage sludge (from a wastewater treatment plant);	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Septage (pumpings from septic tanks)(household waste);	A.R.S. §49-701(14) A.R.S. §49-762.07(A)(3) A.A.C. R18-13-1102 et seq.	
<input type="checkbox"/>	Special waste;	A.R.S. §49-762.07(F)(4) A.A.C. R18-13-1301 et seq. A.A.C. R18-13-1601 et seq.	
<input type="checkbox"/>	Pesticide and other empty containers;	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Industrial and commercial process waste (liquid and solid);	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Medical waste as defined in A.R.S. §49-701.20; and	A.R.S. §49-701.20 A.R.S. §49-762.07(F)(4) A.A.C. R18-13-1401 et seq.	
<input type="checkbox"/>	Hazardous waste from households and conditional exempted small quantity generators.	A.R.S. §49-762.07(A)(3)	

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<input type="checkbox"/>	<i>Contingency Plan – An operational contingency plan is recommended and may include:</i>		
<input type="checkbox"/>	<i>Steps to be taken in the event of a fire at the facility, including the distance to the nearest fire department, how they will be notified in case of an emergency and the estimated response time;</i>		
<input type="checkbox"/>	<i>Actions to be taken with respect to personnel and user safety, including a discussion on employee first aid training, ambulance service availability and the distance to the nearest hospital. Communication with emergency services must be available at the facility;</i>		
<input type="checkbox"/>	<i>Facility shutdown due to inclement weather or act of God;</i>		
<input type="checkbox"/>	<i>Equipment breakdown;</i>		
<input type="checkbox"/>	<i>Release of hazardous or toxic materials;</i>		
<input type="checkbox"/>	<i>Presence of leachate in leak detection or secondary leachate collection system;</i>		
<input type="checkbox"/>	<i>Tank or surface impoundment spills or leaks (including the removal of the waste and repair of the structures);</i>		
<input type="checkbox"/>	<i>List of emergency coordinators for the facility with their telephone numbers; and</i>		
<input type="checkbox"/>	<i>List of emergency equipment maintained on site, the physical location of the emergency equipment and an evacuation plan.</i>		

<b>VIII.</b>	<b>DESIGN CRITERIA</b>	<b>CITATION(S)</b>	<b>LOCATION OF MATERIAL IN APPLICATION</b>
<input type="checkbox"/>	A site drawing	A.R.S. §49-762.07(A)(5)	
<input type="checkbox"/>	Facility access points and traffic routing within and around the proposed facility (include existing, planned and future all-weather access roadways);	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	All buildings, appurtenances, structures (including scales, recycling facilities, transfer facilities, inspection areas and employee and equipment cleanup areas), parking areas and utilities (both above and below ground) within the proposed facility boundaries;	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	All fire breaks and buffer zones;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Permanent fences, gates and litter control structures;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Soil cover material, waste and material (including recyclables) stockpiling areas;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Property lines, proposed boundary of the filling area(s) and proposed future expansion areas;	A.R.S. §49-762.07(A)(3)	
<input type="checkbox"/>	Screening and/or landscaping used to provide noise reduction and reduce nuisances from the facility;	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Evaporation ponds; and	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Existing and proposed soil borings and monitoring wells.	40 CFR §258.40(c)(1)	
<input type="checkbox"/>	Liner and Alternative Liner System		
<input type="checkbox"/>	Liner system details including base liner specifications and development.	40 CFR §258.40(a)	

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VIII.	DESIGN CRITERIA		CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
	<input type="checkbox"/>	Alternative liner design (if applicable) including a discussion as to why the alternative system is appropriate based upon the following criteria: <ul style="list-style-type: none"> <li>• Hydrogeologic characteristics</li> <li>• Climatic factors</li> <li>• Physical and chemical characteristics of leachate</li> <li>• Liner leakage calculations</li> </ul>	40 CFR §258.40	
	<input type="checkbox"/> Surface Water Management		40 CFR §258.40(c)	
	<input type="checkbox"/>	Original site topography;	40 CFR §258.40(c)(1)	
	<input type="checkbox"/>	Existing and proposed excavation grades that extend beyond the proposed facility boundaries;	40 CFR §258.40(c)(1)	
	<input type="checkbox"/>	Storm water drainage plan including a discussion on hydrology and hydraulics, and storm water run-off and run-on drainage control systems including calculations and modeling;	A.R.S. §49-762.07(F)(2) 40 CFR §258.26 40 CFR §258.27	
	<input type="checkbox"/>	Drawings showing construction details for storm water control devices including channels, sloping, diversion devices, and any other structural controls for the management of storm water;	A.R.S. §49-762.07(F)(2) 40 CFR §258.26 40 CFR §258.27	
	<input type="checkbox"/>	Flood control structures designed for a 100-year flood if located in a 100-year floodplain; and	40 CFR §258.11	
	<input type="checkbox"/>	Critical grades and elevations of collection pipe inverts, drainage envelopes, manholes, cleanouts, valves, sumps and drainage blanket thicknesses.	40 CFR §258.40(d)	
	<input type="checkbox"/> Landfill Gas Collection and Monitoring		40 CFR §258.23	
	<input type="checkbox"/>	Conceptual landfill gas management system description, including, monitoring probe and well locations and design, new source performance standards and emissions guidelines gas control system, active or passive system components and design including: <ul style="list-style-type: none"> <li>• Assurance that methane gas generated by the facility does not exceed 25 percent of the lower explosive limit in facility structures; and</li> <li>• The concentration of methane gas does not exceed the lower explosive limit for methane at the facility boundary.</li> </ul>	40 CFR §258.23	
	<input type="checkbox"/>	Conceptual landfill gas monitoring network details including the methane collection system design basis and supporting calculations	40 CFR §258.23	
	<input type="checkbox"/> Leachate Collection and Recovery System		40 CFR §258.40(a)	
	<input type="checkbox"/>	Calculations for leachate collection system maintaining < 30 cm depth including the anticipated volume of leachate generation	40 CFR §258.40(a)(2)	
	<input type="checkbox"/>	Leachate sump details	40 CFR §258.40(a)	
	<input type="checkbox"/>	Base liner and LCR details	40 CFR §258.40(a)	
	<input type="checkbox"/>	System design modeling and model output	40 CFR §258.40(a)	
	<input type="checkbox"/>	A description of the leachate collection system design, including piping diagrams, capacity	40 CFR §258.40(a)	

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VIII.	DESIGN CRITERIA	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Slope Stability	A.R.S. §49-762.07(A)(4)	
	<input type="checkbox"/> Slope stability calculations and modeling; include excavation and appropriate phases. Additional modeling for any unique conditions related to design (e.g., slopes steeper than 3:1, etc.), fill sequencing, geology or geometry of the facility may be appropriate.	A.R.S. §49-762.07(A)(4)	
<input type="checkbox"/>	Design Specifications for Materials and Construction	40 CFR §258.40	
	<input type="checkbox"/> Engineering design plans, site drawings and cross-sections showing the proposed facility development and fill sequences. Include location map, existing conditions, subgrade plans;	40 CFR §258.40(d)	
	<input type="checkbox"/> Earthwork specifications (foundation, liner, drainage, final cover, etc.) including clearing, grubbing, excavation and stockpiles;	40 CFR §258.40	
	<input type="checkbox"/> Synthetic liner specifications (foundation, liner, drainage, final cover, etc.);	40 CFR §258.40	
	<input type="checkbox"/> Geotextile specifications (foundation, liner, drainage, final cover, etc.);	40 CFR §258.40	
	<input type="checkbox"/> Geogrid, geonet or other synthetic drain material specifications;	40 CFR §258.40	
	<input type="checkbox"/> Geosynthetic clay liner material specifications;	40 CFR §258.40	
	<input type="checkbox"/> Pipe specifications (leachate collection, storm water conveyance, etc.);	40 CFR §258.40	
	<input type="checkbox"/> Riprap, gabions, or other scour protection specifications; and	40 CFR §258.40	
	<input type="checkbox"/> Seeding, fertilization, mulching, or other erosion prevention specifications.	40 CFR §258.40	
<input type="checkbox"/>	Conceptual QA/QC Plan and Construction Certification	40 CFR §258.40	
	<input type="checkbox"/> A discussion on the delineation of the responsibilities for the QA/QC management organization, including the chain of command of the QA/QC inspectors and contractors;	40 CFR §258.40	
	<input type="checkbox"/> A description of the required level of experience and training for the contractor, the crew, and QA/QC inspectors for every phase of construction in sufficient detail to demonstrate that the installation methods and procedures will be properly implemented; and	40 CFR §258.40	
	<input type="checkbox"/> A description of the QA/QC testing protocols for every major phase of construction, which includes:	40 CFR §258.40	
	<input type="checkbox"/> The frequency of inspections;	40 CFR §258.40(a)	
	<input type="checkbox"/> Field testing requirements;	40 CFR §258.40(a)	
	<input type="checkbox"/> Sampling for laboratory testing;	40 CFR §258.40(a)	
	<input type="checkbox"/> Laboratory testing requirements;	40 CFR §258.40(a)	
	<input type="checkbox"/> Laboratory and field inspection methods;	40 CFR §258.40(a)	
	<input type="checkbox"/> The limits for test failure for each item tested; and	40 CFR §258.40(a)	
	<input type="checkbox"/> A description of the corrective procedures to be used upon test failure.	40 CFR §258.40(a)	

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VIII.	DESIGN CRITERIA	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
	<input type="checkbox"/> Include a statement in your QA/QC Plan that the following items will be included in the QA/QC Report: <ul style="list-style-type: none"> <li>• All QA/QC testing conducted in accordance with the approved QA/QC Plan (including documentation of any failed test results);</li> <li>• Descriptions of procedures used to correct the improperly installed material and statements of all retesting performed;</li> <li>• As-built drawings noting any deviation from the approved engineering plans including a narrative summarizing the daily reports from the project engineer and a series of color photographs of major project features; and</li> <li>• A description of the construction certification process indicating the timing of certification and that construction was completed in conformance with approved plans &amp; specifications developed for the facility.</li> </ul>	40 CFR §258.40(a)	

IX.	GROUNDWATER MONITORING ACTIVITIES	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
	<input type="checkbox"/> Request for exemption if it can be demonstrated that there is no potential for migration of hazardous constituents from the MSWLF to the uppermost aquifer during the active life of the facility	40 CFR §258.50(b)	
	<input type="checkbox"/> Groundwater monitoring system	40 CFR §258.51	
	<input type="checkbox"/> Discussion of local hydrogeology impacting the proposed facility and any groundwater investigation(s) performed in designing the proposed groundwater monitoring system. Discuss historical groundwater trends. From these discussions, it should be clear as to why the proposed monitoring system is appropriate. Include geologic cross-sections. Include groundwater elevation maps as appropriate.	40 CFR §258.51	
	<input type="checkbox"/> Demonstrate that the system is designed with the appropriate number of wells, installed at appropriate locations, to yield water from the uppermost aquifer that is representative of background ground water that has not been affected by leakage from the unit. Include boring logs and map locations.	40 CFR §258.51(a)(1)	
	<input type="checkbox"/> Demonstrate that the system is designed with the appropriate number of wells, installed at appropriate locations, to yield water from the uppermost aquifer that is representative of the quality of ground water passing a relevant point of compliance.	40 CFR §258.51(a)(2)	
	<input type="checkbox"/> Demonstrate that monitoring wells are cased in a manner that maintains the integrity of the monitoring well bore hole, and are constructed to allow for sample collection and sealed to prevent contamination.	40 CFR §258.51(c)	

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IX.	GROUNDWATER MONITORING ACTIVITIES		CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
	<input type="checkbox"/>	Demonstrate that the number, spacing and depths of monitoring systems are appropriate for the aquifer thickness, groundwater characteristics, and geologic configuration of the areas in which they are installed	40 CFR §258.51(d)	
	<input type="checkbox"/>	Identification of proposed point of compliance	40 CFR §258.40(d)	
	<input type="checkbox"/>	Sampling and analysis requirements;	40 CFR §258.53	
	<input type="checkbox"/>	Describe the groundwater monitoring program including procedures for assuring consistent sampling and analysis, and for assuring monitoring results provide an accurate representation of ground water quality and the background and down-gradient wells. Include sample collection, preservation, shipment, analytical procedures, chain of custody, and QA/QC procedures.	40 CFR §258.53(a)	
	<input type="checkbox"/>	Demonstrate that the groundwater monitoring program includes appropriate sampling and analysis methods. A <i>discussion on regional water quality may be appropriate.</i>	40 CFR §258.53(b)	
	<input type="checkbox"/>	Demonstrate that the groundwater monitoring procedures and frequency are adequate to protect human health and the environment.	40 CFR §258.53(c)	
	<input type="checkbox"/>	Provide procedure for determining groundwater elevations prior to purging	40 CFR §258.53(d)	
	<input type="checkbox"/>	Include procedures for determining background concentrations for each required parameter or constituent	40 CFR §258.53(e)	
	<input type="checkbox"/>	Support the basis for the number of samples collected to establish background water quality; identify the statistical methods proposed for use.	40 CFR §258.53(f)	
	<input type="checkbox"/>	Provide a discussion regarding the statistical method to be used to determine if a statistically significant increase over background values for each constituent has occurred.	40 CFR §258.53(i)	
	<input type="checkbox"/>	Detection monitoring program;	40 CFR §258.54	
	<input type="checkbox"/>	Provide a detailed description of the proposed detection monitoring program to be implemented for the MSWLF; indicate which, if any, Appendix I parameters will be omitted	40 CFR §258.54(a)	
	<input type="checkbox"/>	Indicate the monitoring frequency of the detection monitoring program; if an alternative frequency is proposed, demonstrate why the alternative frequency is appropriate	40 CFR §258.54(b)	
	<input type="checkbox"/>	Provide a discussion as to how a statistically significant increase over background concentrations will be determined based on the configuration of the proposed detection monitoring network	40 CFR §258.54(c)	
	<input type="checkbox"/>	Assessment monitoring program	40 CFR §258.55	
	<input type="checkbox"/>	Describe in detail the assessment monitoring program to be implemented in the event of a statistically significant increase over background has been detected for one or more of the constituents listed in Appendix I.	40 CFR §258.55(a)	

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X.	CLOSURE & POST-CLOSURE	CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
<input type="checkbox"/>	Closure	40 CFR §258.60	
	<input type="checkbox"/> Provide specifications for the conceptual final cover system, including technical specifications and drawings; or provide specifications for conceptual alternative final cover system including calculations, demonstrations and drawings. The liner must meet the following requirements: <ul style="list-style-type: none"> <li>• Be of an appropriate permeability in accordance with §258.60(a)(1)</li> <li>• Include an infiltration layer that contains a minimum of 18-inches of earthen material</li> <li>• Include an erosion layer that contains a minimum of 6-inches of earthen material capable of sustaining native plant growth</li> </ul>	40 CFR §258.60(a)	
	<input type="checkbox"/> If an alternative cover is proposed, demonstrate that the proposed alternative system meets performance standards for infiltration and erosion; provide the specifications and performance standards for the proposed alternative system.	40 CFR §258.60(b)	
	<input type="checkbox"/> For the cover system, provide drawings/cross-sections, proposed slopes, stability modeling, drainage details including storm water flow, and design of the landfill gas collection system.	40 CFR §258.60	
	<input type="checkbox"/> Provide a written closure plan that describes the steps necessary to close all MSWLF units at any point during their active life. Include: <ul style="list-style-type: none"> <li>• final cover design and installation details, including cross-sections, drawings, modeling, slopes, drainage, leachate management, and landfill gas collection,</li> <li>• an estimate on the largest area requiring final cover,</li> <li>• an estimate of maximum inventory of wastes ever on-site over the active life of the landfill, and</li> <li>• a schedule for completing all activities necessary to satisfy the closure criteria.</li> </ul>	40 CFR §258.60(c)	
	<input type="checkbox"/> <i>Conceptual QA/QC Plan for closure</i>		
	<input type="checkbox"/> Provide the estimated closure cost including cost basis and calculations (in conjunction with the financial assurance demonstration). Indicate assumptions made. Include references.	40 CFR §258.71	
	<input type="checkbox"/> Acknowledge within the SWFP that the Closure Plan must become part of the operating record and that notification to the State Director of its placement in the operating record is required.	40 CFR §258.60(d)	
	<input type="checkbox"/> Acknowledge within the SWFP that notification of the State Director of intent to close a unit will be made and placed in the operating record prior to initiating closure activities.	40 CFR §258.60(e)	
	<input type="checkbox"/> Include in the closure plan a closure schedule that is compliant with the timeframes set forth in 40 CFR §258.60(f) and (g), including the timeframes associated with the receipt of final waste and the schedule to complete closure within 180 days.	40 CFR §258.60(f) and (g)	

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X.	CLOSURE & POST-CLOSURE		CITATION(S)	LOCATION OF MATERIAL IN APPLICATION
	<input type="checkbox"/>	Include in the closure plan a statement acknowledging that certification of closure will be performed by an independent registered professional engineer verifying that closure was performed in accordance with the closure plan.	40 CFR §258.60(h)	
	<input type="checkbox"/>	Include in the closure plan a statement indicating that a deed restriction noting the landfill existence and closure will be placed upon the deed, the State Director will be notified, and the amended deed will be placed in the facility operating record.	40 CFR §258.60(i)	
	<input type="checkbox"/> Post Closure		40 CFR §258.61	
	<input type="checkbox"/>	Provide a plan for post-closure care including maintaining the effectiveness of final cover, maintenance of leachate collection systems, monitoring of groundwater, and maintenance of gas monitoring systems.	40 CFR §258.61(a) and (b)	
	<input type="checkbox"/>	Provide a description of the maintenance and monitoring activities, and the frequency at which those activities will be performed. Include discussion regarding: <ul style="list-style-type: none"> <li>• on-going site security</li> <li>• inspections including protocols and frequency</li> </ul>	40 CFR §258.61(c)(1)	
	<input type="checkbox"/>	A description of the planned uses of the property during the post closure period.	40 CFR §258.61(c)(3)	
	<input type="checkbox"/>	Acknowledge within the SWFP that the Closure Plan must become part of the operating record and that notification to the State Director of its placement in the operating record is required.	40 CFR §258.61(d)	
	<input type="checkbox"/>	Include in the closure plan a statement acknowledging that certification of closure will be performed by an independent registered professional engineer verifying that closure was performed in accordance with the closure plan.	40 CFR §258.61(e)	
	<input type="checkbox"/>	Estimated post-closure costs (in conjunction with the financial assurance demonstration).	40 CFR §258.72	

Pursuant to Arizona Revised Statutes (A.R.S. § 41-1030):

- (1) ADEQ shall not base a licensing decision, in whole or in part, on a requirement or condition not specifically authorized by statute or rule. General authority in a statute does not authorize a requirement or condition unless a rule is made pursuant to it that specifically authorizes the requirement or condition.
- (2) Prohibited licensing decisions may be challenged in a private civil action. Relief may be awarded to the prevailing party against ADEQ, including reasonable attorney fees, damages, and all fees associated with the license application.
- (3) ADEQ employees may not intentionally or knowingly violate the requirement for specific licensing authority. Violation is cause for disciplinary action or dismissal, pursuant to ADEQ's adopted personnel policy. ADEQ employees are still afforded the immunity in A.R.S. §§ 12-821.01 and 12-820.02.

— End of Solid Waste Facility Plan Application Checklist —